

CANADIAN INDUSTRY IN 1871

Ontario County Series #8

HALDIMAND COUNTY INDUSTRIES, 1871 INDEX TO MANUSCRIPT CENSUS

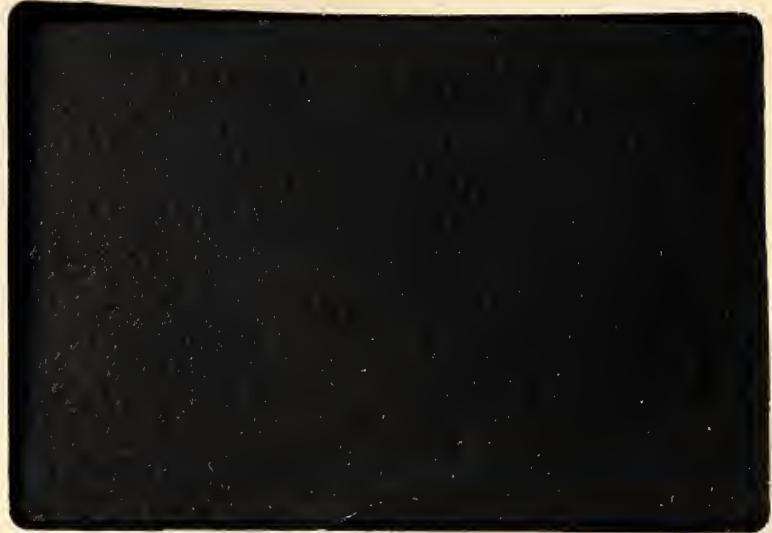
G.T. Bloomfield & Elizabeth Bloomfield

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The view of Whitevale, Township of Pickering, was chosen to illustrate Canadian industry in 1871. At this time, a high proportion of manufacturing activity was still located in small settlements, some of which were growing rapidly into towns. **Lovell's Directory** (1871) described Whitevale as:

A thriving village...[with] extensive flouring and woollen mills... Montreal Telegraph Co has an office here. Distant from Whitby, the county town, and a station of the Grand Trunk Railway, 13 miles. Mail daily. Population about 250.

Truman P. White has acquired the water rights at Majorville on Duffin's Creek in 1845 and developed a grist mill, a saw mill and, later, a woollen mill. By 1871 the census enumerated six significant industrial establishments employing 66 workers and with a total value of production amounting to \$125,000. The transition from waterwheels (70 horsepower) to steam engines (66 horsepower) was already apparent in the village by this date. In common with its counterparts across the country, Whitevale's basic industrial activities were closely associated with the local agricultural area. There was also considerable economic integration apparent in the ownership of several establishments by Truman P. White and in the making of staves in the sawmill for the cooper shop which in turn supplied the flour mill with basic containers for transporting the flour to market.

Unlike many of its contemporaries, Whitevale has remained about the same size ever since 1871. The 1971 census recorded a population of only 273 in the unincorporated settlement. Whitevale never achieved connection by railway, county road or provincial highway. Much of the surrounding land was acquired for the planned Pickering airport and new town in 1972/3 and today the settlement is threatened by the creation of a municipal solid waste dump for Metropolitan Toronto and the Durham Region.

The illustration was first published in the **Illustrated Historical Atlas of the County of Ontario** (Toronto: J.H. Bees and Co., 1877), reprinted Ross Cumming, 1972).

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CANADIAN INDUSTRY IN 1871 (CANIND71) PROJECT

Ontario County Series #8

**HALDIMAND COUNTY INDUSTRIES, 1871
INDEX TO MANUSCRIPT CENSUS**

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor

Department of Geography

University of Guelph

Copies may be ordered from:

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CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

The first Census of Canada was taken at a time when the "hum of industry" was believed to be an essential sign of a community's progress, usually associated with the benefits of railway connections. Many people at this time seem to have shared Thomas Keefer's vision of "the civilizing tendency of the locomotive":

A town has been built and peopled by the operatives -- land rises rapidly in value -- the neglected swamp is cleared and the timber is converted into all sorts of wooden "notions" -- tons of vegetables, grains or grasses are grown where none grew before -- the patient click of the loom, the busy hum of the spindle, the thundering of the trip-hammer and the roaring of steam, are mingled in one continuous sound of active industry.¹

The CANIND71 database created from the manuscript census schedules of industrial establishments is used in this series to provide snapshots of industrial activity in Ontario just after Confederation, at a time of transition in technology, business organization and work discipline. The 36 Ontario counties varied in the amount and intensity of "active industry", depending on how long they had been settled, how much of their population lived in cities and towns, and how well connected they were by rail or water transport.

One title in the CANIND71 series of research reports has already examined the mix of industrial activity in Wellington County, Ontario, as a model for what might be done for any other place of similar size and population in Ontario, Quebec, New Brunswick or Nova Scotia.²

The reports in the Ontario County Series have less detailed description and analysis than the study of Wellington County and more tabulations of data compiled out of the CANIND71 database. The reports follow a similar format. First, features of the CANIND71 database, especially its geographical organization and industrial classification, are explained so that readers can understand tables for particular counties. Each county is defined and factors in its history, location and resources that influenced the amount and character of industry by 1870-1 are noted. Then the structure and characteristics of industry in that county are summarized under the headings of location and distribution, industry types, size structure of industrial units, use of water and steam power, workplace types, and leading firms. The appendices present aggregate data grouped by geographical location, industry classifications and specific industry types. Summary data for individual establishments are then listed for the whole county, alphabetically by the proprietor's name, with additional lists for establishments in each city, town or village.

¹ T.C. Keefer, Philosophy of Railroads (1850), edited with an introduction by H.V. Nelles (Toronto: University of Toronto Press, 1972), p. 9.

² Elizabeth Bloomfield and G.T. Bloomfield, The Hum of Industry: Millers, Manufacturers and Artisans of Wellington County CANIND71 Research Report 9 (Guelph: University of Guelph, Department of Geography, 1989).

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- 0-88955-265-7 Middlesex County Industries, 1871: Index to Manuscript Census (#18 in series)
- 0-88955-266-5 Norfolk County Industries, 1871: Index to Manuscript Census (#19 in series)
- 0-88955-267-3 Northumberland & Durham County Industries, 1871: Index to Manuscript Census (#20 in series)
- 0-88955-268-1 Ontario County Industries, 1871: Index to Manuscript Census (#21 in series)
- 0-88955-269-X Oxford County Industries, 1871: Index to Manuscript Census (#22 in series)
- 0-88955-270-3 Peel County Industries, 1871: Index to Manuscript Census (#23 in series)
- 0-88955-271-1 Perth County Industries, 1871: Index to Manuscript Census (#24 in series)
- 0-88955-272-X Peterborough County Industries, 1871: Index to Manuscript Census (#25 in series)
- 0-88955-273-8 Prescott & Russell County Industries, 1871: Index to Manuscript Census (#26 in series)
- 0-88955-274-6 Prince Edward County Industries, 1871: Index to Manuscript Census (#27 in series)
- 0-88955-275-4 Renfrew County Industries, 1871: Index to Manuscript Census (#28 in series)
- 0-88955-276-2 Simcoe County Industries, 1871: Index to Manuscript Census (#29 in series)
- 0-88955-277-0 Stormont, Dundas & Glengarry County Industries, 1871: Index to Manuscript Census (#30 in series)
- 0-88955-278-9 Victoria County Industries, 1871: Index to Manuscript Census (#31 in series)
- 0-88955-279-7 Waterloo County Industries, 1871: Index to Manuscript Census (#32 in series)
- 0-88955-280-0 Welland County Industries, 1871: Index to Manuscript Census (#33 in series)
- 0-88955-281-9 Wentworth County Industries, 1871: Index to Manuscript Census (#34 in series)
- 0-88955-282-7 York County Industries, 1871: Index to Manuscript Census (#35 in series)
- 0-88955-283-5 Northern Districts Industries, 1871: Index to Manuscript Census (#36 in series)

INTRODUCTION TO THE CANIND71 DATABASE

The CANIND71 database is a machine-readable version of the original manuscript information for more than 45,000 industrial establishments counted in the first Census of Canada in 1871. This new source provides a wealth of information for the four provinces enumerated in 1871 -- New Brunswick, Nova Scotia, Ontario and Quebec. The 1871 census was the first to be taken on a consistent basis for the four provinces. Although similar information was collected in the Canadian censuses of 1881, 1891, 1901 and 1911, the manuscript schedules for industry have not survived. The 1871 census manuscripts are thus the only systematic source for industrial activity that survives in such detail from the nineteenth century. Moreover, the 1871 schedules contain a great deal of information that was never published at the time.

In using the CANIND71 data, we should understand the definitions and procedures used by the 1871 census enumerators:³

- * Industrial businesses found by the census enumerators as they made their rounds in early April 1871 were included, and details were recorded of their operations during the preceding twelve months.
- * An industrial establishment was defined as "a place where one or several people are employed in manufacturing, altering, making up or changing from one shape into another, materials for sale, use or consumption, quite irrespectively of the amount of capital employed or of the products turned out" (p. 138). No minimum value of output was set, in contrast to the United States censuses in the same period, for which only establishments with at least \$500 worth were included.
- * All repairs, mending or custom work were understood to be industrial products. Thus the definition of industrial activity was considerably broader than it would be in the twentieth century.
- * Numbers of workers or "employés" were defined to be the average number of persons actually working in the industrial establishment during the 12-month reporting period, and could consist entirely of members of the proprietor's family. The industrial workforce was subdivided by age and gender into men, women, boys (males under 16 years) and girls (females under 16 years), but the amount of wages paid to each age-gender group of worker was not separately stated.
- * Industrial establishments were recorded in the geographical units -- District, Sub-District or Division -- in which they were found "and nowhere else. The principle is essential in every case. The production is attached to the locality" (p. 139).
- * In reporting custom work such as tailoring or work done on toll such as that of some grist mills or carding mills, enumerators were told to state the real value of raw materials, even if these amounts did not pass through the accounts of the proprietor.

³ "Manual Containing the Census Act and Instructions to Officers Employed in Taking of the First Census of Canada, 1871," Canada Sessional Papers No. 64 (1871). Quotations are from this source.

- * Though enumerators could specify the types, quantities and values of individual raw materials and products for each establishment, it was foreseen that in most cases only the aggregate dollar values or raw materials and products would be stated.
- * Values of fixed capital and floating capital invested in the industrial business were distinguished rather than merged, and the number of working months was specified.

Only a very limited amount of the information collected in Schedule 6 of the 1871 census was published in the official census volumes of the 1870s.⁴ The statistical tables published at the time used various industrial types that were defined pragmatically rather than systematically, and then listed in alphabetical order. For each industry type, whether as specialized as whip making or as ubiquitous as blacksmithing, figures were published for numbers of establishments, hands employed, yearly wages, value of raw materials and value of products in each of 206 Census Districts.

No industrial data at all were published for smaller areal units such as the Census Sub-Districts, either as summaries of total industrial activity or for specific types of industry. Thus the only 1871 industrial information published for urban centres was for the six cities, the boundaries of which exactly coincided with those of one or more Census Districts. These were Montreal, Toronto, Hamilton, Ottawa, London and Kingston. Some information collected by the enumerators was never compiled into published tables, notably for types and horse-power units of inanimate power, months of operation during the reporting period, and "floating" capital distinguished from "fixed" capital. The published totals also understated the real extent and value of industrial activity as these can now be reconstituted from the manuscript census schedules.⁵

Database Variables

The CANIND71 database has made machine-readable information about all the industrial firms counted in Canada's first national census. For each establishment, there are up to 125 variables. The firms were located in 206 Census Districts and over 1600 Census Sub-Districts in Ontario, Quebec, New Brunswick and Nova Scotia. All details recorded by the enumerators on the manuscript census schedules have been included as basic variables in the CANIND71 database. These are: name of proprietor, kind of industrial business, geographical location, use of non-manual forms of power, numbers of workers (distinguished into men, women, boys and girls), number of working months in the year, and the dollar amounts of fixed and floating capital invested, wages, raw materials and products, as well as kinds, quantities, units of measurement and values of individual raw materials and products, and additional remarks or comments.

In addition to the information transcribed from the census manuscripts, the CANIND71 database contains several variables derived by calculation or inference from the basic variables. These include the total values of raw materials or of products

⁴ Census of Canada 1871, volume III, Tables 28-55.

⁵ For a more detailed discussion of the 1871 Census procedures and a comparison of the published and manuscript data for industry in 1871, see Creating CANIND71: Procedures for Making the 1871 Census Machine-Readable (Research Report 4, 1989).

(when only details for component products or materials had been stated on the manuscript schedules), the value added (gross value of output less costs of raw materials when both these figures were reported), the total number of employees, and the average monthly wage per employee.

Geographical Organization

The original descriptions of geographical areas defined for the 1871 Census were researched to ensure that the codes and place names were entered accurately and consistently into the database. For ease in returning to the original schedules, we adopted the same code letters and numbers that were used in 1871 to describe the Census Districts, Census Sub-Districts and Census Enumerators' Divisions. The 206 Census Districts were intended to correspond with the Electoral Districts defined under the British North America Act 1867.⁶ Census Districts were divided into 1,701 Census Sub-Districts, which were intended to correspond with Municipal or other recognized divisions -- towns, villages, townships or city wards in Ontario, for example. The Census Sub-Districts were subdivided into nearly 3,000 Census Enumerators' Divisions, but these were defined for convenience of census-taking rather than to coincide with any other system of defining areas and no maps or written descriptions of these units have survived.⁷

Details of Census District name (with variable name CDISTRIC) and number (CDID), Census Sub-District name (CSD) and Census Enumerator's Division (CED) were coded for each manuscript record as it was entered into the CANIND71 database. Usually this information was written by the census enumerators on the manuscript schedules. But we had to standardize the names and codes for computer processing. We numbered the Census Districts in the same sequence from 001: Essex in southwest Ontario to 206: Richmond, Nova Scotia. Census district numbers in Ontario were prefaced with the letter O. We also adopted the same code letters and numbers that were used to describe the smaller Census Sub-Districts and Census Enumerators' Divisions in 1871. Municipal status was abbreviated as V-Village, T-Town (or Ville), C-City and Tp-Township. In the case of CSDs with the same principal name, they are distinguished by the directional abbreviations following the place name, such as N for North or Nord, S for South or Sud, E for East or Est, W for West.

Industrial Classification

The census enumerators used natural language to describe the kinds of establishment and industrial raw materials and products they encountered.⁸ In creating the CANIND71 database, we entered the enumerators' words into the computer record, but we also assigned standardized codes to each record to denote industry types and major groups more precisely and consistently. These codes are vital for analysis of the data.

⁶ Statutes of Canada, 33 Vict. 1870, Cap. 21, s. 4.

⁷ See G.T. Bloomfield, Boundaries of Canadian Census Units in 1871 (CANIND71 Research Report 10, 1990).

⁸ See Glossary of Industrial Language (CANIND71 Research Report 5, 1989) and French-English Dictionary of Industrial Language (CANIND71 Research Report 6, 1989).

Each record in the CANIND71 database has been assigned a code according to the 1970 Standard Industrial Classification Manual of the Canada Dominion Bureau of Statistics.⁹ Understandably, there were some problems in applying a 1970 classification to the conditions of a century earlier. Changes in technology have eliminated some industry types that were common in 1871. The more rudimentary level of economic and business organization in 1871 meant that many enterprises combined industrial activities that would typically be separated in specialized businesses by 1970. Repair of all kinds of goods and equipment was more integrally associated with manufacture in 1871.

The appropriate SIC code for each record was determined by study of both the stated kind of establishment and the actual products and raw materials reported in each case. Wherever possible, we chose the SIC code that best matched the actual outputs of the business as reported for the year ending March 31, 1871. The "kind of establishment" information alone could be quite misleading, as this term was sometimes an occupational label that did not really describe the actual products. For example, a business might be described very generally as a "foundry", which would rate a code of "294" only if its products were primarily iron castings. More typically, the products of so-called foundries in 1871 were fabricated metal products such as stoves (307-S) or general machinery (315) or agricultural implements (311). In another example, one who was by trade a blacksmith and so recorded in the "kind of establishment" column may have had opportunities to make all kinds of metal goods, often including carriages and wagons. If he made definite numbers of carriages or other items of transportation equipment, his business would be assigned the appropriate and more specific SIC code of "329" rather than "896" which would be assigned for a blacksmith engaged only in "country work and repairs".

We adapted the 1970 system to the 1871 context in two main ways. First, suffixes of hyphen and capital letter could be added to the basic 3-digit code to give greater specificity, a brewery (109-B) being distinguished from a distillery (109-D) for example. Second, an establishment that combined two or more products or services was given a compound SIC code, consisting of the two most important linked by a slash (/), so that a flour mill-cum-distillery is represented as "105/109-D".

These elaborations of the basic classification system resulted in a total list of over 700 specific codes that were used to describe the 45,070 firms in the four provinces in 1871. A few of these codes were shared by large numbers of establishments. Thus 5,254 blacksmiths were assigned the SIC code of "896", 5,088 saw mills had the basic code of "251", and 4,189 shoemakers were coded "174". Some 2,830 handloom weavers were given the code "182-W", 2,527 carriage and wagon makers were coded "329", and 2,098 flour mills share the code "105". Basic SIC codes assigned to at least 50 industrial establishments throughout Canada are listed in Table 1. At the other extreme, some significant enterprises had codes that were unique for Canada.

⁹ For a more detailed discussion of our use of SIC codes, see G.T. Bloomfield, Standard Industrial Classifications Applied to Historical Data (CANIND71 Research Report 7, 1989). The CANIND71 classification is based on Dominion Bureau of Statistics, Standard Industrial Classification Manual (Ottawa, 1970); for French-language equivalents we consulted Statistique Canada, Classification type des industries (Ottawa, 1990).

Table 1
STANDARD INDUSTRIAL CLASSIFICATION (1970) ADAPTED FOR 1871:
short list of codes with at least 50 occurrences in CANIND71 database

101-P	Pork Curing/Packing	Salaison de porc
102	Fish Curing	Salaison de poisson
104	Cheese Factories	Fromageries
105	Flour/Grist Mill	Farine, Moulin à
105-O	Oatmeal Mill	Avoine, Moulin d'
107	Bakeries	Boulangeries
108-C	Confectionery	Confiserie
109-B	Brewery	Brasserie
109-S	Aerated Water	Eaux gazeuses
153	Tobacco Working	Tabac, Manufacture d
172	Tanneries	Tanneries
174	Boots/Shoes	Bottes/Souliers
179-S	Saddle/Harness Making	Selles]
182	Woolen Cloth Factories	Drap, Fabriques de
182-W	Weaver	Tisserand
189-W	Carding/Fulling Mills	Carder/fouler, Moulins à
239-K	Stockings/Mittens/Hand Knitter	Bas/Mitaines/Tricoteur
242	Clothing	Habillement
243	Tailors/Clothiers	Habillements pour hommes
246	Furrier/Hatter	Pelleterie/Chapellerie
249-M	Milliner	Modiste
251	Saw Mill	Moulin à scie
251-S	Shingle Making	Bardeaux, Confection de
254	Sashes/Doors/Blinds	Portes/Fenêtres
256	Basket Making	Vanneries
259	Wood Products, Misc	Produits de bois, divers
259-C	Cooperage	Tonnelerie
259-W	Wood Turning Establishments	Tours à bois
261	Cabinets/Furniture	Meublerie
286	Printing office	Imprimerie
287-B	Book Binding	Reliure
289	Printing/Publishing incl newspapers	Imprimerie/Publication de
294	Foundry/Castings	Fonderie/Fonte
304-T	Tinsmith	Ferblantier
306	Agricultural Hand Tools	Outils agricoles manuels
306-T	Axes	Haches
307-S	Stoves	Poêles
309	Metal Fabricating, Misc	Fabrication de métaux
311	Agricultural Implements	Instruments aratoires
315	Machinery, Misc	Machinerie/Équipement
315-H	Spinning Wheels	Rouets
315-P	Pumps	Pompes
327	Ship Yards	Navires, Construction de
327-M	Ship Material	Appareaux de navire
328	Boat Building	Chaloupes, Construction
329	Carriage Making	Carrosserie
329-P	Wheels (* and other parts)	Roues
351-B	Brick/Tile Making	Briqueterie/Tuilerie
351-P	Pottery	Poterie
353	Stone/Marble Establishments	Marbrerie
358-L	Lime Kilns	Fours à chaux
365	Oil Refineries	Épuration de l'huile
374	Drugs	Drogues
376	Soap/Candle Making	Savonneries/Chandelleries
378-P	Pot/Pearl Asheries	Potasseries
392	Jeweler/Watchmaker	Bijoutier/Horloger
421-C	Carpenter/Joiner (buildings)	Charpentier (bâtiments)
421-D	Painter/Glazier	Peintre en bâtiments
893	Photographic galleries	Photographies
896	Blacksmithing	Forges

The SIC codes were generalized into the 26 Major Industry Groups (or SECs) that were also coded for each record (Table 2). This table also reflects the inclusion by the 1871 census enumerators of a wider range of industrial activities and processes than would be defined as manufacturing industry today. Eighty-six per cent of the establishments are classified in the Major Group 5 for Manufacturing Industry, with SIC codes between 101 and 399, accounting for 95 per cent of the total value of industrial output in 1871.

Table 2
STANDARD INDUSTRIAL CLASSIFICATION:
MAJOR GROUPS AND SIC CODES

Major Group SEC		SIC codes
Division 1 Agricultural Services		021-029
Division 2 Forestry		031-039
Division 3 Fishing		041-049
Division 4 Mines, Salt Wells etc		051-099
Division 5 Manufacturing Industries		
5.01	Food and Beverages	101-109
5.02	Tobacco Products	151-159
5.04	Leather Industries	171-179
5.05	Textile Industries	181-189
5.06	Knitting Mills	231-239
5.07	Clothing Industries	241-249
5.08	Wood Industries	251-259
5.09	Furniture Industries	261-269
5.10	Paper Industries	271-279
5.11	Printing and Publishing	281-289
5.12	Primary Metal Industries	291-299
5.13	Metal Fabricating	301-309
5.14	Machinery Industries	311-319
5.15	Transportation Equipment	321-329
5.17	Non-metallic Minerals	351-359
5.18	Petroleum & Coal Products	361-369
5.19	Chemical Industries	371-379
5.20	Miscellaneous Manufactg	391-399
Division 6	Construction Industry	401-499
Division 7	Gas and Water Utilities	572-579
Division 8	Trade (incl repair)	601-699
Division 10	Personal/business services	861-899

Using the SIC and geographical codes, data for individual establishments can be aggregated in all sorts of ways. In the sample records and tables presented in this report, we use the same variable names as in the CANIND71 database. They are explained in Table 3.

Table 3
VARIABLE NAMES IN CANIND71 DATABASE

Abbreviated code names for variables in the CANIND71 database are used in various tables in this report. A brief explanation of each code name follows:

AVWAGE:	Average monthly wage per worker in a firm, place or type of industry.
CDID:	Census district number used in 1871 census.
CDISTRIC:	Census district name used in 1871 census.
CED:	Census enumerator's division, a small part of a census district.
COMMENTS:	Additional remarks or comments for a firm entered in manuscript schedule.
EMPBOY:	Boys (males under 16 years) employed in industrial activity.
EMPGIRL:	Girls employed (females under 16 years) in industrial activity.
EMPMEN:	Men (males over 16 years) employed in industrial activity.
EMPWOM:	Women (females over 16 years) employed in industrial activity.
FIXCAP:	Value of fixed capital reported by proprietors.
FLOCAP:	Value of floating or working capital reported by proprietors.
FORCE:	Units (in "horse power" equivalents) of non-manual power reported by proprietors.
MONTH:	Number of working months in year.
OBSERV:	Observation, unit or record in a database; in the case of CANIND71 means individual industrial establishment.
PROD1:	Named type of product, first to Nth, as numbered.
PROPRIOR:	Name of proprietor as stated in census schedules.
PQUANT1:	Quantity of named product, first to Nth, as numbered.
PUNIT1:	Unit of measurement of named product, first to Nth, as numbered.
PVALUE1:	Value of named product, first to Nth, as numbered
RAWMAT1:	Named type of raw material, first to Nth, as numbered.
RQUANT1:	Quantity of named raw material, first to Nth, as numbered.
RUNIT1:	Unit of measurement of named raw material, first to Nth, as numbered.
RVALUE1:	Value of named raw material, first to Nth, as numbered.
SEC:	Major industry group, derived from combinations of SIC codes.
SIC:	Standard Industrial Classification.
SUMPROC:	Value of industrial production (\$).
SUMRAWC:	Value of raw materials used in industry (\$).
TOTEMP:	Total number of employees, the sum of EMPMEN, EMPWOM, EMPBOY and EMPIGIRL.
TYPEEST:	Type of establishment as stated by enumerator in census schedules.
TYPEPOW:	Type of power reported: steam, water, horse, W/S (water/steam).
VADD:	Value added in manufacturing (\$) = production \$ - raw materials \$.
WAGES:	Wages paid to industrial workers (\$).

ACKNOWLEDGEMENTS

Between 1982 and 1990, the CANIND71 Project based in the Department of Geography of the University of Guelph, computerized the full data for some 45,000 industrial establishments that were enumerated in Canada's first national census in 1871. We appreciate the shelter and support provided to the project by the Department of Geography. Creation and documentation of the CANIND71 database were substantially assisted by several grants from the Social Sciences and Humanities Research Council of Canada between 1985 and 1989. The most substantial of these were Grants 482-87-0010 and 482-88-0010 to Elizabeth Bloomfield as principal investigator. In a new phase of the project, computer method, led by Gerald Bloomfield and supported by SSHRCC funds, computer methods of mapping the historical data are being developed.

The interest and support of all who have assisted with this project are gratefully acknowledged. Janine Grant, Barbara Sibley, Jane Turner, Jane Darch and Stephen Bellinger worked for the project for significant periods, and the quality of the final database owes much to their careful and thorough work. Peter McCaskell, first as programmer-analyst in the Department of Geography and then from the University's Computing Services, played an essential role in database management and programming through all phases of the project. Mario Finoro, chief technician of the Department of Geography, has assisted in the acquisition, setting up and maintenance of the equipment. The computer maps in this series are the work of Larry Laliberté, while the graphs of industrial structure were produced in final form by Marie Puddister.

Elizabeth and Gerald Bloomfield

HALDIMAND COUNTY INDUSTRIES, 1871

First settled in the early years of the nineteenth century, Haldimand County had rural population densities in the middle range for Ontario but was under-developed industrially in relation to other parts of the province in 1871. The county was traversed from northwest to southeast by the Brantford, Buffalo and Goderich Railway by 1855 (part of the Grand Trunk system by 1871). The mean value of industrial production per capita (\$43.61) was significantly lower than the mean for Ontario (\$74.00). The average number of employees per industrial establishment was only 2.7 in Haldimand compared with 4.4 in Ontario as a whole, and the mean value of output per establishment was also significantly lower -- \$3,530. compared with \$5,516.¹⁰

Census and Municipal Units

Census Districts were defined to match federal electoral districts rather than counties in 1871. However, the component Sub-Districts matched the smaller municipal units of townships, towns, villages or city wards. Haldimand County was divided between the two Census Districts of Monck (part only, Moulton/.. and Canborough Townships and the village of Dunnville) and Haldimand (seven townships, and the villages of Caledonia and Cayuga).

The Census Sub-Districts of Haldimand County are shown in Figure 1 and their basic statistics of area (sq mls), population (pop), industrial establishments (est) and industrial employees (empl) are set out in Table 4.

Location and Distribution

Of the total county population of 24,851, only 14 per cent lived in the villages of Dunnville (1,452 population), Caledonia (1,246), and Cayuga (803). Though only Caledonia had above-average industrial activity, these small centres did account for nearly two-fifths of the county's industrial output. While larger enterprises were usually located in

¹⁰ A full bibliography of the historical development of industry in each community cannot be given here, but items listed below consider industry among other topics:

Centennial Committee, Cayuga centennial (Cayuga, 1959).

Haldimand County Centennial, Hagersville, past and present (Hagersville, 1950).

Harper, John R. The early history of Haldimand county (Caledonia: Grand River Sachem, 1950).

Stretton, Robert W., ed. Dunnville, Ontario, centennial year, 1850: 100 years of progress (Centennial Book Committee, 1950).

The information contained in this report about proprietors of industrial establishments in 1871 may be related to the valuable index of all household heads provided in Index to the 1871 Census of Ontario: Haldimand-Norfolk (Toronto: Ontario Genealogical Society, 1988).

incorporated urban centres, industry was also dispersed in smaller villages and hamlets. The census manuscript schedules do not specify location in such smaller, unincorporated centres but it can be useful when comparing the census data with information from other sources to know which hamlets and villages were included in particular Census Sub-Districts. Haldimand County's central places are listed in Table 5.¹¹

Table 4
HALDIMAND COUNTY: CENSUS DISTRICTS AND SUB-DISTRICTS, 1871

CDID	CED	CENSUS SUB-DISTRICT	SQM	POP	EST	EMPL
** CENSUS DISTRICT 0017, HALDIMAND						
0017	A	WALPOLE TOWNSHIP	107.09	5477	78	145
0017	B	RAINHAM TOWNSHIP	42.40	2067	36	73
0017	C	CAYUGA SOUTH TOWNSHIP	21.45	972	21	28
0017	D	CAYUGA NORTH TOWNSHIP	53.67	2012	12	29
0017	E	CAYUGA VILLAGE	2.22	803	10	24
0017	F	ONEIDA TOWNSHIP	70.16	3183	35	94
0017	G	SENECA TOWNSHIP	59.47	3282	32	106
0017	H	CALEDONIA VILLAGE	1.09	1246	42	221
0017	I	DUNN TOWNSHIP	28.82	1049	5	8
** CENSUS DISTRICT 0018, MONCK (PART)						
0018	A	MOULTON/... TOWNSHIP	54.40	2099	14	23
0018	B	DUNNVILLE VILLAGE	1.62	1452	17	88
0018	C	CANBOROUGH VILLAGE	34.23	1209	5	7

Industry Types

Using the Standard Industrial Classification (SIC) code of each record and the more generalized Major Industry Group (SEC), it is possible to describe and compare the industrial structures of places from whole provinces to local townships and villages. In coding all the industrial establishments of Haldimand County, only 41 different basic SIC codes (including suffixes, but trimming compounds) are used. In all of Ontario, a total of 172 such codes are used, and 196 in all of Canada.

When Haldimand County's industrial structure is compared with that of all Ontario, one finds a mix that is fairly typical of rural areas. The diagram overpage has been designed to show these as clearly as possible, using major industry groups (SECs in the database). But wood and food processing were smaller sectors in Haldimand than generally in Ontario, while leather, textiles, furniture, and especially transportation equipment, non-metallic minerals and blacksmiths were stronger.

¹¹ For a more detailed discussion of the location of smaller villages and hamlets in relation to the 1871 Census units, see G.T. Bloomfield, Ontario Central Places in 1871: A Gazetteer Compiled from Contemporary Sources (CANIND71 Research Report 13, 1990).

Table 5: HALDIMAND COUNTY: CENTRAL PLACES, 1871

<u>Place</u>	<u>Population</u>	<u>Township</u>	<u>CSD</u>	<u>Sources</u>	<u>Lat.</u>	<u>Long.</u>
BALMORAL <i>on boundary with Rainham Tp</i>	50	Walpole	17A	D L P	42 55	79 58
BINGHAM ROAD <i>formerly Gifford</i>	20	Cayuga S	17C	L P	42 53	79 50
BYNG <i>formerly Haldimand</i>	150	Dunn	17I	D L P	42 53	79 37
CALEDONIA <i>also known as Seneca</i>	1246	Caledonia V	17H	D L	43 04	79 56
CANBORO <i>also spelled Canborough</i>	200	Canborough	18C	D L P	42 59	79 41
CANFIELD	400	Cayuga N	17D	D L M	42 58	79 45
CAYUGA	803	Cayuga V	17E	D L B	42 56	79 51
CHEAPSIDE	100	Walpole	17A	D L P	42 50	79 59
DE CEWSVILLE <i>also spelled Decewsville</i>	100	Cayuga N	17D	D L P	42 56	79 55
DUFFERIN <i>post office later Clayton; place later Clanbrassil</i>	60	Oneida	17F	L P	42 58	79 58
DUNNVILLE	1452	Dunnville V	18B	D L B	42 54	79 36
ERIE	80	Walpole	17A	D L P	42 54	80 01
FISHERVILLE <i>formerly Bunker Hill (C1)</i>	50	Rainham	17B	D L P	42 52	79 54
HAGERSVILLE <i>on boundary with Oneida Tp</i>	150	Walpole	17A	D L M	42 58	80 03
HULLSVILLE <i>also known as St Just (C2); formerly Sandusk (C); later Garnet</i>	200	Walpole	17A	D L P	42 51	80 02
INDIANA <i>later Deans</i>	250	Seneca	17G	D L M	42 59	79 52
JARVIS	400	Walpole	17A	D L M	42 53	80 06
LOWBANKS	140	Moulton/...	18A	L P	42 52	79 27
MOUNT HEALEY	100	Oneida	17F	D L P	43 00	79 53
NANTICOKE	200	Walpole	17A	D L P	42 48	80 04
NELLESTOWN	80	Rainham	17B	L	42 56	79 57
NORTH SENECA	200	Seneca	17G	L P	43 07	79 56
ONEIDA <i>formerly Ballsville (C)</i>	200	Oneida	17F	D L P	43 00	80 00
PORT MAITLAND <i>formerly Broadcreek (C); on boundary with Sherbrooke Tp</i>	80	Dunn	17I	D L P	42 52	79 34
RAINHAM	72	Rainham	17B	D L P	42 51	79 47
RAINHAM CENTRE	100	Rainham	17B	L P	42 50	79 51
SELKIRK <i>also known as The Corners (C2), Stoney Creek (C2), Enterprise (C2); formerly Williamsville (C); post office formerly Walpole; on boundary with Rainham Tp</i>	300	Walpole	17A	D L M	42 49	79 56
SENECA <i>also known as Caledonia</i>	.	Seneca	17G	D B	43 04	79 56
SIMS LOCK CANAL <i>also known as Sims' Lock, Sims' Locks</i>	.	Seneca	17G	D	43 03	79 55

SOUTH CAYUGA <i>also known as Fry's Corners</i>	50	Cayuga S	17C	D L P	42 52	79 43
SPRINGVALE	120	Walpole	17A	L P	42 58	80 07
STROMNESS	100	Sherbrooke	18A	D L P	42 52	79 33
SWEET'S CORNERS	60	Rainham	17B	L	42 50	79 48
WILLOW GROVE	80	Oneida	17F	L P	43 01	80 00
YORK	400	Seneca	17G	D L B	43 01	79 53

Note: Lat = Latitude; Long. = Longitude.

Three primary sources were used to generate this list of places for 1871:

R.G. Dun and Co.'s Mercantile Agency Reference Book (D);

Lovell's Canadian Dominion Directory for 1871 (L);

Canadian Almanac and Repository of Useful Knowledge 1871 (P for ordinary post office, M for post office that could issue money orders, B for post office with savings bank function.

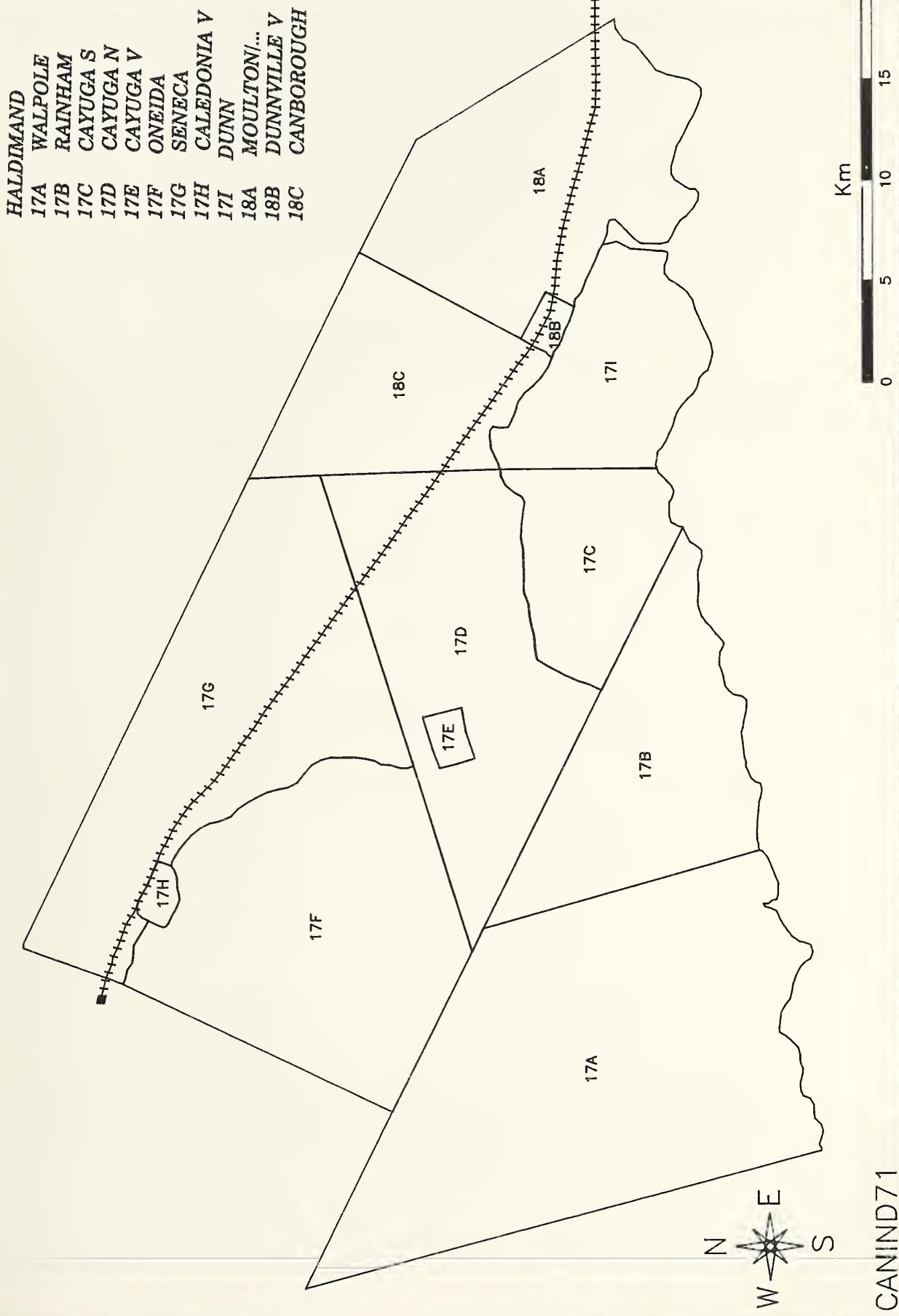
Size of Establishment

Most of Haldimand County's industrial establishments were very small craftshops - blacksmiths, tinsmiths, bakers, saddlers, shoemakers, tailors, milliners, weavers and knitters, coopers, carpenters, carriage and wagon makers. More than nine in ten workplaces had five or fewer workers, a higher proportion than in Ontario generally. Only two establishments, both in Caledonia, had more than 25 employees -- Ronald McKinnon's woollen mill which employed 37, and John Scott's foundry and agricultural implement works which employed 32. Another exceptional enterprise was McQuarrie and Thorburn's large grist mill in Oneida Township which with only five employees reported \$266,500 worth of output. Very few women and girls worked in the county's mills and shops; they formed under 8 per cent of the industrial workforce compared with the Ontario average of over 14 per cent. Table A-6 lists the 15 establishments with at least two female employees: typically most were in textiles or clothing and located in urban centres.

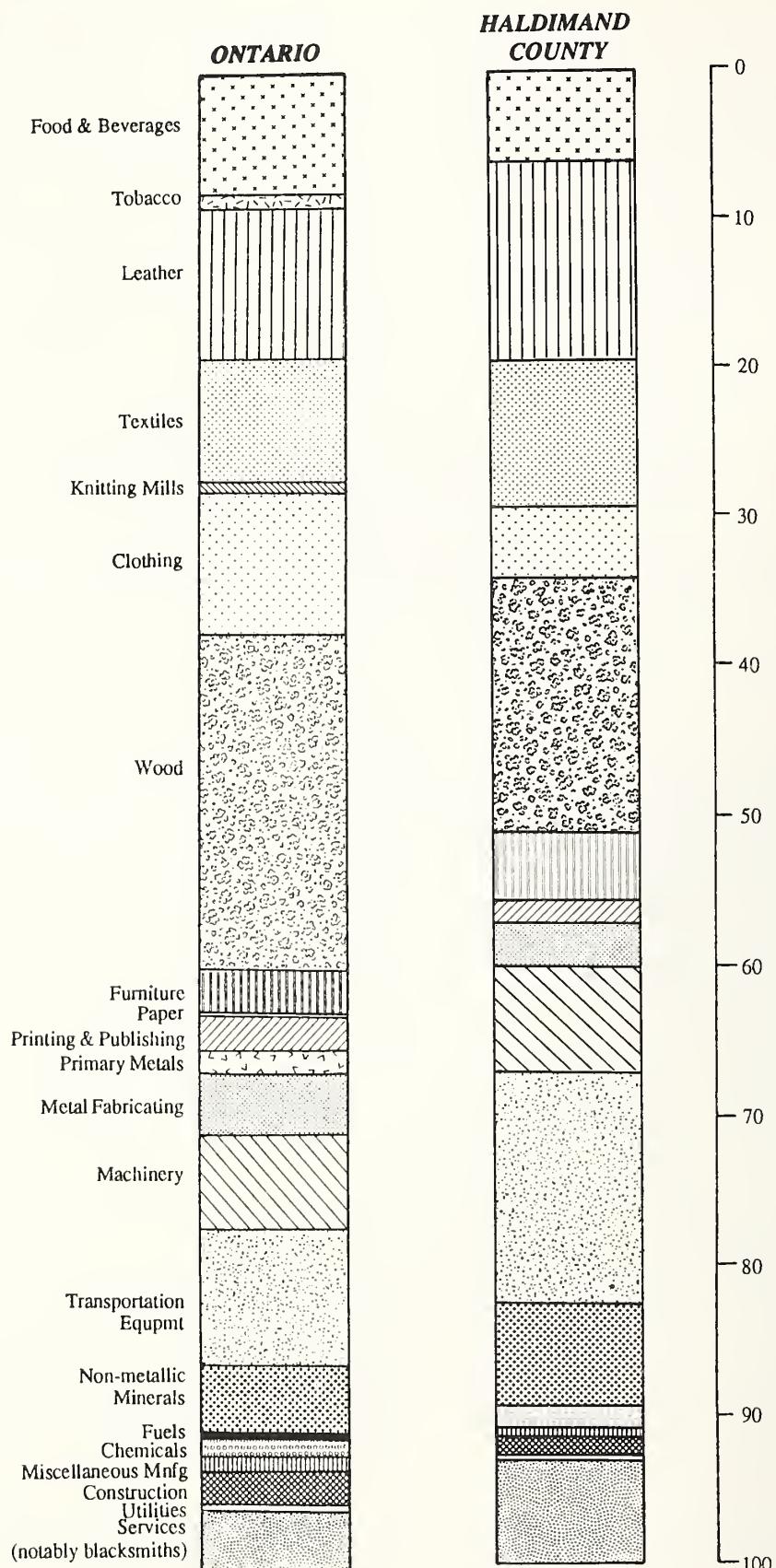
Many industrial establishments had small values of production as well: one in three of Haldimand County's units produced less than \$500 worth of industrial output, together accounting for under three per cent of the county's total value of industrial output. At the other extreme, the top two enterprises with at least \$50,000 worth of output each in 1871 accounted for over 30 per cent of the county's total production. The full manuscript details for the seven businesses employing more than 25 workers or reporting at least \$25,000 of output are reproduced here as sample records. No Haldimand enterprises ranked among Canada's industrial leaders in 1871, calculated as those in the top one per cent of Canadian firms in all four measures of number of employees, value of fixed capital investment, gross value of output and value added.¹²

¹² See Elizabeth Bloomfield and G.T. Bloomfield, Patterns of Canadian Industry in 1871: An Overview Based on the First Census of Canada (CANIND71 Research Report 12, 1990) and Industrial Leaders: The Largest Manufacturing Firms (CANIND71 Research Report 8, 1990).

HALDIMAND COUNTY



COMPARATIVE INDUSTRIAL STRUCTURES: Percentages Employed in Major Industry Groups (SECs)



Power Technology

Only 18 per cent of the industrial firms in Haldimand County in April 1871 reported using water or steam power, but such firms were disproportionately important in employment, investment and production. Water power was relatively much more important in Haldimand than in some other regions, waterwheels supporting 51 per cent of the value of output compared with a mean of 29 per cent across Ontario. Steam power was correspondingly weak.

Table 6
6a. ONTARIO INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

Firm size # employees	Establishments % total	Employment % total	Production % total	Value Added % total
<u>small</u>				
1	39.8	9.0	6.1	6.2
2 - 5	45.3	28.5	29.9	25.7
<u>medium</u>				
6 - 50	14.1	40.1	44.2	44.6
<u>large</u>				
50+	0.8	22.4	19.8	23.5
TOTALS	100.0	100.0	100.0	100.0

6b: HALDIMAND COUNTY INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

Firm size # employees	Establishments % total	Employment % total	Production % total	Value Added % total
<u>small</u>				
1	39.1	14.2	8.6	12.3
2 - 5	51.8	50.9	67.5	48.9
<u>medium</u>				
6 - 25	8.5	26.7	17.8	28.6
25 - 50	0.7	8.6	6.1	10.3
TOTALS	100.0	100.0	100.0	100.0

Table A-5 lists details for the 18 establishments that reported using waterwheels or steam engines with at least 25 horsepower. Half of these, those with the larger power capacity, used waterwheels, especially for grist and flour mills. Steam engines were more common in saw mills.¹³

¹³ See G.T. Bloomfield, Water Wheels and Steam Engines: Powered Establishments of Ontario (CANIND71 Research Report 2, 1989).

CANIND71 SAMPLE RECORDS

16

proprietor: MCQUARRIE & THORBURN		typeest: GRIST/FLOUR MILL	refnum: 4346
cdid: 0017	ced: F-2	cdistrict: HALDIMAND	csd: ONEIDA
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 10000	flocap: 4000	typepow: WATER	force: 400
empmen: 5	empwom: .	empboy: .	empgirl: .
totemp: 5	wages: 2000	avvage: 33.33 per worker/month	
sumrawc: 266500		sumproc: 266500	vadd: 0
rawmat1: GRAIN,ASSORTED	runit1:	rquant1: 423000	rvalue1: 266500
prod1: FLOUR/FEED	punit1:	pquant1: 22000	pvalue1: 110000
prod2: CHOP	punit2:	pquant2: 156500	pvalue2: 156500

proprietor: HANEY JAMES		typeest: GRIST/FLOUR MILL	refnum: 4454
cdid: 0018	ced: B-1	cdistrict: MONCK	csd: DUNNVILLE V
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 5800	flocap: .	typepow: WATER	force: .
empmen: 4	empwom: .	empboy: .	empgirl: .
totemp: 4	wages: 1000	avvage: 20.83 per worker/month	
sumrawc: 52000		sumproc: 60000	vadd: 8000
rawmat1: GRAIN,ASSORTED	runit1:	rquant1: 27000	rvalue1: 26000
rawmat2: N/G	runit2:	rquant2: 28000	rvalue2: 26000
prod1: FLOUR	punit1:	pquant1: .	pvalue1: 60000

proprietor: CHAMBERS RICHARD		typeest: GRIST MILL	refnum: 4455
cdid: 0018	ced: B-1	cdistrict: MONCK	csd: DUNNVILLE V
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 10000	flocap: 5000	typepow: WATER	force: 25
empmen: 3	empwom: .	empboy: .	empgirl: .
totemp: 3	wages: 800	avvage: 22.22 per worker/month	
sumrawc: 35000		sumproc: 44000	vadd: 9000
rawmat1: GRAIN,WHEAT,COARSE	runit1:	rquant1: 35000	rvalue1: 35000
prod1: FLOUR	punit1:	pquant1: .	pvalue1: 44000

proprietor: HANEY STEPHEN		typeest: GRIST/FLOUR MILL	refnum: 4453
cdid: 0018	ced: B-1	cdistrict: MONCK	csd: DUNNVILLE V
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 7000	flocap: 3500	typepow: STREAM	force: 35
empmen: 2	empwom: .	empboy: .	empgirl: .
totemp: 2	wages: 1600	avvage: 66.67 per worker/month	
sumrawc: 27000		sumproc: 33000	vadd: 6000
rawmat1: GRAIN,ASSORTED	runit1:	rquant1: 28810	rvalue1: 27000
prod1: FLOUR	punit1:	pquant1: .	pvalue1: 33000

CANIND71 SAMPLE RECORDS

17

proprietor: MCKINNON RONALD	typeest: WOOLEN FACTORY	refnum: 4421
cdid: 0017	ced: H	cdistrict: HALDIMAND
sec: 5.05	sic: 182	month: 12
fixcap: 31000	flocap: 50000	typepow: WATER
empmen: 21	empwom: 11	empboy: 5
totemp: 37	wages: 12000	avvage: 27.03 per worker/month
sumrawc: 24000		sumproc: 45000
rawmat1: WOOL	runit1: LB	rquant1: 75000
prod1: CLOTH,FULLED,FLANNEL,OTHER	punit1: YD	pquant1: 55000
prod2: CUSTOM WORK	punit2:	pquant2: .
		vadd: 21000
		rvalue1: 24000
		pvalue1: 40000
		pvalue2: 5000

proprietor: STEWART HUGH	typeest: SAW MILL	refnum: 4327
cdid: 0017	ced: F-1	cdistrict: HALDIMAND
sec: 5.08	sic: 251	month: 4
fixcap: 1400	flocap: 5000	typepow: STREAM
empmen: 9	empwom: .	empboy: .
totemp: 9	wages: 1720	avvage: 47.78 per worker/month
sumrawc: 30000		sumproc: 36000
rawmat1: LOGS,PINE,HARDWOOD	runit1: FT	rquant1: 300000
prod1: LUMBER,PINE,OAK	punit1:	pquant1: 300000
		vadd: 6000
		rvalue1: 30000
		pvalue1: 36000

proprietor: SCOTT JOHN & CO	typeest: FOUNDRY/AGRC IMPL	refnum: 4417
cdid: 0017	ced: H	cdistrict: HALDIMAND
sec: 5.14	sic: 311	month: 12
fixcap: 8000	flocap: 4000	typepow: STREAM
empmen: 27	empwom: .	empboy: 5
totemp: 32	wages: 12000	avvage: 31.25 per worker/month
sumrawc: 5600		sumproc: 20700
rawmat1: IRON	runit1: TON	rquant1: 151
rawmat2: WOOD	runit2: FT	rquant2: 50000
rawmat3: PAINT/OIL	runit3:	rquant3: .
prod1: THRESHING MACHINES		pquant1: 24
prod2: REAPERS	punit2:	pquant2: 30
prod3: IMPLEMENTS,AGRICULTURAL		pquant3: 200
prod4: REPAIRS	punit4:	pquant4: .
comments: IRON FOUNDRY/AGRICULTURAL IMPLEMENTS/STEAM ENGINE WORKS		pvalue1: 9600
		pvalue2: 3100
		pvalue3: 2000
		pvalue4: 6000

Work Environments

The CANIND71 database provides a snapshot of the transition from artisanal craftshops to factories using machinery and integrated work processes. A useful concept in understanding this transition is the **work environment**, which combines measures of the size of the workplace with the extent to which non-manual power was used in the industrial process. Powered and non-powered work environments are classified as to the size of their workforces, in four size classes: 1-5 workers, 6-25 workers, 26-50 workers, and 51 or more workers. Powered establishments with at least 26 workers are called **factories**, while **manufactories** are non-powered workplaces with at least 26 workers. Smaller powered establishments are called **mills** if they had from 6 to 25 workers, **powered craftshops** if they had 5 or fewer workers.

Workplaces using only hand or horse power are called **artisans' craftshops** if they employed 5 or fewer. Slightly larger craftshops, without water or steam power and employing between 6 and 25 workers, have been called **sweatshops** in the context of a large city. **Outworkers**, who toiled at home under the putting-out system, would be included with the artisans' craftshops, from which it is hard to distinguish them on census manuscript evidence alone.¹⁴ We note that the terms used to describe the eight types of work environment do not necessarily match contemporary usage in 1871, when factories, manufactories and shops were generic terms used interchangeably for all sizes of establishment. Our transcription of the natural language used by the census enumerators allows readers to note this terminology in the (TYPEEST) Type of Establishment data in the Appendix tables of this report.

How significant were the various work environments in Haldimand County in 1871? Table 7 reflects the under-developed and more artisanal character of industry in the county, when compared with other parts of Ontario. The proportions of the various types of workplaces were roughly similar to the proportions in rural Ontario generally, but those in Haldimand County were smaller and much more dependent on hand power. There were no manufactories or mills at all in Haldimand County in 1871, all its workplaces employing fewer than 25 workers.

¹⁴ For more discussion of this concept see Patterns of Canadian Industry in 1871 (Report 12) and Elizabeth Bloomfield and G.T. Bloomfield, Canadian Women in Workshops, Mills and Factories: The Evidence of the 1871 Census Manuscripts (CANIND71 Research Report 11, 1991).

		USE OF POWER			
		non-powered (hand/horse only)	powered by water or steam		
SIZE OF WORKFORCE	51+	MANUFACTORIES (larger)	FACTORIES (larger)	SIZE OF WORKFORCE	51+
	26-50	MANUFACTORIES (smaller)	FACTORIES (smaller)		26-50
	6-25	SWEATSHOPS and larger CRAFTSHOPS	MILLS		6-25
	1-5	ARTISANS' CRAFTSHOPS	POWERED WORKSHOPS, smaller MILLS		1-5
		non-powered (hand/horse only)	powered by water or steam		

Table 7
DISTRIBUTION OF WORKERS IN WORK ENVIRONMENTS, 1871

Work Environment (# employees)	Rural Ontario	Urban Ontario	Haldimand County
Non-Powered	%	%	%
Artisans (1-5 emp)	45.4	17.8	53.7
Sweatshops (6-25 emp)	5.8	20.2	8.2
Manufactories (26-50 emp)	0.3	4.8	-
Manufactories (>51 emp)	0.5	5.5	-
Sub-Total	52.0	48.3	61.9
Powered			
Small (1-5 emp)	15.8	3.2	11.5
Medium (6-25 emp)	19.6	13.0	18.6
Factories (26-50 emp)	5.4	8.3	8.0
Factories (>51 emp)	7.2	27.2	-
Sub-Total	48.0	51.7	38.1
TOTAL	100.0	100.0	100.0

Appendix Tables

This county report presents several kinds of tabulations which are briefly introduced here. In understanding the abbreviated code names of database variables, users are referred to Table 3 on page 7, for the Standard Industrial Classification codes to Table 1 on page 5, and for the Major Industry Groups to Table 2 on page 6.

Table A-1: Haldimand County: Geographical Summary of Firms, 1871

Summary data for each Census Sub-District (CSD), including horse-power units of non-manual power, value of fixed and floating capital, numbers of employees (men, women, boys, girls and total), annual wages paid, costs of raw materials, gross value of production, value added in manufacturing, and number of establishments. Data are totalled for each Census District (or part thereof) in the county, and totalled for the whole county. See Figure 1 for a map of CSDs and pp. 9-12 for discussion of the distribution of industrial activity.

Table A-2: Haldimand County: Industrial Structure, 1871

Summary data for each Major Industry Group, including numbers and percentages of establishments, horse-power units, value of fixed capital, total employment, gross value of production, and value added in manufacturing. See Figure 2 for diagrammatic representations for the employment structure by Major Industry Groups of Haldimand County in relation to the structure for all of Ontario in 1871.

Table A-3: Basic SIC codes for Haldimand County, 1871

Summary data for each Standard Industrial Classification type (including code suffixes but trimming compounds). For discussion of SIC types, see pp. 4-5 and p. 9.

Table A-4: Listings of Individual Establishments, Ranked by Value of Output, for Various SIC Types, 1871

Data for flour mills; tanneries; saddlaries; boot and shoe makers; textile producers; clothing producers; saw mills; coopers; furniture shops; tinsmiths; machinery producers; carriage and wagon makers; brick, marble and lime works; and blacksmiths.

Table A-5: Haldimand County: Firms Using Inanimate Power, 1871

Data for individual establishments reporting at least 25 horsepower units of water or steam power, ranked by horsepower units.

Table A-6: Haldimand County: Firms Employing at least Two Females in 1871

Data for individual establishments, ranked by number of women and girls employed. Note use of FEMALE (total number of women and girls employed) as variable in this table only.

Table A-7: Haldimand County: Firms by Name of Proprietor, 1871

Data for individual establishments in alphabetical order of proprietor's name.

Table A-8: Urban Centres: Firms by Name of Proprietor, 1871

Data for individual establishments in alphabetical order of proprietor's name - Caledonia, Cayuga, Dunnville.

HALDIMAND COUNTY : GEOGRAPHICAL SUMMARY OF FIRMS, 1871

CDID	CED	CSD	FORCE	FIXCAP	FLOCAP	EMPMEN	EMPWOM	EMPBOY	EMPGIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD OBSERV	
0017	A	WALPOLE	127	29963	12207	128	8	1	145	26434	53891	108841	54950	78	
0017	B	RAINHAM	117	15915	12830	70	1	2	.	73	12715	25530	58365	32695	36
0017	C	CAYUGA S	1	2696	2625	28	.	.	.	28	4125	2477	8103	5626	21
0017	D	CAYUGA N	58	4500	4000	29	.	.	.	29	5353	8485	18800	10315	12
0017	E	CAYUGA V	.	.	19	3	2	.	.	24	5150	4050	11650	7600	10
0017	F	ONEIDA	581	42805	17877	79	9	5	1	94	17075	349804	380400	30596	35
0017	G	SENECA	194	41500	26235	90	3	12	1	106	23804	36101	73308	37207	32
0017	H	CALEDONIA V	170	68922	122300	162	36	23	.	221	61893	87069	189510	102291	42
0017	I	DUNN	.	5100	500	8	.	.	.	8	1800	7200	11300	3700	5
0017			1248	211401	198574	613	60	52	3	728	158349	574607	860277	284980	271
0018	A	MOULTON/...	12	2300	1292	22	.	1	.	23	2141	4412	11070	4098	14
0018	B	DUNNVILLE V	188	58400	29200	78	3	7	.	88	22770	143994	209525	58531	17
0018	C	CANBOROUGH	26	2540	250	7	.	.	.	7	1420	1142	2780	1638	5
0018			226	63240	30742	107	3	8	0	118	26331	149548	223375	64267	36
			1474	274641	229316	720	63	60	3	846	184680	724155	1083652	349247	307

HALDIMAND COUNTY: MAJOR INDUSTRY GROUPS, 1871

	OBSERV	PERC-ENT	FORCE	PERC-ENT	FIXCAP	PERC-ENT	TOTEMP	PERC-ENT	SUMPROC	PERC-ENT	VADD
	SUM	SUM	SUM	SUM	SUM	SUM	SUM	SUM	SUM	SUM	SUM
SEC											
5.01	21	6.8	690	46.8	92300	33.6	48	5.7	545052	50.3	48462
5.04	57	18.6	12	0.8	21630	7.9	114	13.5	76480	7.1	38018
5.05	23	7.5	95	6.4	35735	13.0	84	9.9	68404	6.3	29456
5.07	10	3.3	.	.	4092	1.5	40	4.7	28000	2.6	10250
5.08	40	13.0	488	33.1	40125	14.6	145	17.1	134440	12.4	55798
5.09	7	2.3	34	2.3	12850	4.7	41	4.8	33730	3.1	26950
5.11	3	1.0	.	.	6000	2.2	11	1.3	7000	0.6	4860
5.13	10	3.3	16	1.1	3415	1.2	24	2.8	11180	1.0	7195
5.14	14	4.6	34	2.3	11175	4.1	59	7.0	34950	3.2	26120
5.15	48	15.6	62	4.2	29990	10.9	133	15.7	83720	7.7	60116
5.17	20	6.5	43	2.9	8518	3.1	62	7.3	21681	2.0	15675
5.19	3	1.0	.	.	260	0.1	10	1.2	2385	0.2	1489
5.2	2	0.7	.	.	220	0.1	4	0.5	1150	0.1	850
6	4	1.3	.	.	375	0.1	10	1.2	6350	0.6	3425
8	2	0.7	.	.	190	0.1	2	0.2	830	0.1	718
10	43	14.0	.	.	7766	2.8	59	7.0	28300	2.6	19865
ALL	307	100.0	1474	100.0	274641	100.0	846	100.0	1083652	100.0	349247

BASIC SIC CODES FOR HALDIMAND COUNTY, 1871

SIC	OBSERV	FORCE	FIXCAP	FLOCAP	EMPMEN	EMPWOM	EMPBOY	EMPGIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
104	1	667	200	100	1	0	0	0	2	300	960	660	
105	14	16	85500	66300	33	0	0	0	33	11112	482570	523510	40940
105-Q			5000	1000	2	0	0	0	2	300	5720	6930	1210
107	2	1	1000	1200	5	1	0	0	6	1600	7170	12000	4830
108-L	1	1	200	50	1	0	0	0	1	.	60	1112	52
109-C	2	6	400	150	4	0	0	0	4	205	770	1540	770
172	7	12	5000	3315	15	0	0	0	15	2225	3969	8020	4051
174	34	.	7200	12672	58	1	3	0	62	14025	18083	39785	21702
179-S	16	.	9430	7879	37	0	0	0	37	7985	16410	28675	12265
182	2	65	31400	50500	26	14	8	0	48	13700	27000	51000	24000
182-W	19	.	835	902	15	14	0	1	30	2535	6077	12623	4146
189-W	2	30	3500	.	4	1	1	1	6	975	3471	4781	1310
242	1	.	3360	6710	1	0	0	0	1	150	200	600	400
243	6	.	32	.	22	2	0	0	1	33	7025	16200	25250
244	1	.	700	0	2	0	0	0	2	100	1200	2000	150
249-M	2	455	37700	21803	0	4	0	0	4	600	18692	74650	121500
251-S	22	33	850	1850	109	0	3	0	112	10	460	735	2350
259	7	.	780	280	10	0	0	0	8	1680	660	3135	1615
259-C	8	.	795	2070	14	0	1	0	15	3712	2597	7455	4858
261	7	34	12850	5800	34	1	6	0	41	11100	6780	33730	26950
286	1	.	6000	1500	1	0	1	1	2	300	500	1200	700
289	2	.	1350	2170	14	1	0	4	1	9	1900	1640	5800
304-T	7	16	2040	540	2	0	4	0	1	16	4013	3184	8280
306	2	.	25	600	2	0	0	0	2	6	950	650	1900
309	1	.	25	10400	7675	47	0	7	54	16770	8495	32800	24305
311	11	22	775	550	4	0	1	0	5	108	29002	14174	2150
315-P	3	12	22690	18837	101	0	7	0	25	5520	2430	70920	49746
329	41	7	7300	2350	25	0	0	0	19	2270	500	12800	10370
329-P	7	.	1400	1050	15	1	3	0	1	100	500	5200	4700
351-B	4	3	.	500	300	1	0	0	1	100	500	620	120
353	1	.	618	388	23	0	2	0	25	1660	466	3161	2155
358-L	13	40	6000	2300	16	0	1	0	17	4700	4000	12700	8700
359-P	2	.	260	200	6	0	4	0	10	1236	896	2385	1489
378-P	3	.	120	500	2	0	0	0	2	600	100	750	650
392	1	.	100	.	2	0	0	0	2	120	200	400	200
399-B	1	.	375	800	2	0	0	0	2	575	425	1750	1325
421-C	2	.	600	600	8	0	0	0	8	1300	2500	4600	2100
421-D	2	.	190	50	2	0	0	0	2	666	1112	830	718
658	2	.	7766	6325	57	0	2	0	59	12612	8275	28300	19865
896	43	.	====	====	====	====	====	====	3	846	184680	724155	1083652
	307	1474	274641	229316	720	63	60	3	3	====	====	====	349247

HALDIMAND COUNTY: FLOUR MILLS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST ^P	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	F-2	MCQUARRIE & THORB	GRIST/FLOUR MILL	105	10000	WATER	400	5	2000	266500	266500	0
0018	B-1	HANEY JAMES	GRIST/FLOUR MILL	105	5800	WATER	·	4	1000	52000	60000	8000
0018	B-1	CHAMBERS RICHARD	GRIST MILL	105	10000	WATER	25	3	800	35000	44000	9000
0018	B-1	HANEY STEPHEN	GRIST/FLOUR MILL	105	7000	STEAM	35	2	1600	27000	33000	60000
0018	H	MCKINTON RONALD	GRIST/FLOUR MILL	105	9000	WATER	50	3	1200	15000	18000	30000
0017	A-1	HOBBS AARON	GRIST/CARDING MI	105/189-W	6000	STEAM	20	2	600	16000	17600	16000
0017	F-1	DECW WILLIAM C	GRIST MILL	105	5000	WATER	12	1	350	14000	16500	2500
0017	F-2	DONALDSON JOHN	GRIST/FLOUR MILL	105	6000	WATER	30	2	500	14200	15250	1050
0017	G-1	THOMSON DAVID	GRIST/FLOUR MILL	105	15000	WATER	50	3	1062	11870	13660	1790
0017	A-3	JAFFERAS JOHN	GRIST MILL	105	700	STEAM	·	2	600	8000	12500	4500
0017	B-2	HOOVER DETRICK	GRIST MILL	105	2500	STEAM	25	2	300	10000	11000	10000
0017	I	BAND ROBERT	FLOUR MILL	105	4500	·	·	1	400	6000	8000	2000
0017	F-1	DECW ROBERT P	GRIST MILL	105	1000	WATER	20	1	700	7000	7500	500
0017	F-2	WALLACE GEORGE	OATMEAL/BARLEY M	105-O	5000	WATER	16	2	300	5720	6930	1210
0017	G-2	DAVIS ADAM A	GRIST MILL	105	3000	WATER	·	2	700	·	·	·
					90500		683	35	11412	488290	530440	42150

HALDIMAND COUNTY: TANNERIES BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST ^P	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0018	B-1	SIMS GEORGE	TANNERY	172	3000	STEAM	10	8	1000	2264	4500	2236
0017	B-1	WEAVER JACOB	TANNERY	172	700	STEAM	1	1	200	800	1400	600
0017	C	BOOSE JOHN	TANNERY	172	300	·	·	·	400	300	900	600
0017	B-2	KINDY DAVID	TANNERY	172	500	HORSE	1	2	400	400	800	400
0017	A-1	BANFIELD JOHN	TANNERY	172	200	·	·	1	100	100	200	100
0017	A-4	HISEY ABRAHAM	TANNERY	172	100	·	·	1	65	60	120	60
0017	A-4	SLAGHT LEWIS	TANNERY	172	5000	·	·	1	60	45	100	55
					5000		12	15	2225	3969	8020	4051

HALDIMAND COUNTY: SADDLERS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST ^P	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0018	B-1	STRAUSS & CO	HARNESS MANUFACT ^R	179-S	2000	·	·	5	1600	4500	8125	3625
0018	B-2	STEVENS CHARLES	HARNESS SHOP	179-S	3000	·	·	4	120	3360	3600	240
0017	A-4	BYERS HENRY	HARNESS SHOP	179-S	800	·	·	3	700	2000	2000	0
0017	H	HULL HENRY	SADDLER/HARNES ^S	179-S	300	·	·	4	800	800	2000	1200
0017	H	EARL ELIZABE	SADDLE/HARNES ^S	179-S	150	·	·	3	600	800	2000	1200
0017	H	HOWARD JOHN	HARNES ^S SADDLER	179-S	200	·	·	3	850	750	1650	900
0017	B-2	SHAWALLER JOHN	HARNES ^S SHOP	179-S	200	·	·	2	600	660	1500	840
0017	E	BURGESS JAMES	HARNESSMAKER	179-S	·	·	·	2	600	600	1500	900
0017	A-3	HARRIS WILLIAM	HARNESS SHOP	179-S	1400	·	·	2	300	640	1200	560
0017	G-2	LITKINS JOHN	HARNESS SHOP	179-S	600	·	·	2	450	600	1000	400
0017	A-3	ABRAHAM WILLIAM	HARNESS SHOP	179-S	100	·	·	2	250	350	900	550
0017	B-1	WALKER JOHN	HARNESS SHOP	179-S	250	·	·	1	100	400	900	500
0017	A-1	DAY SAMUEL	SADDLER SHOP	179-S	200	·	·	1	330	400	800	400
0017	A-2	WARD WILLIAM	HARNESS SHOP	179-S	80	·	·	1	335	300	800	500
0017	A-1	WAKELING THOMAS	SADDLER SHOP	179-S	200	·	·	1	200	200	500	300
0017	A-1	DICK GEORGE	SADDLER SHOP	179-S	150	·	·	1	150	50	200	150
					0		37	7985	16410	28675	12265	

HALDIMAND COUNTY: BOOT & SHOE MAKERS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	SIC	TYPEEST	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	H	MACDONALD JOHN	BOOT/SHOE	174	1000			9	1560	3000	7150	4150
0017	G-2	WILLIAMSON ANDREW	BOOT/SHOE	174	700			3	900	1500	2700	1200
0017	B-1	KEMP GEORGE	SHOE SHOP	174	100			3	400	1250	2000	750
0017	B-1	DOUGHERTY MICHAEL	SHOE SHOP	174	250			2	550	800	1800	1000
0017	B-2	BUYER JOSEPH	BOOT/SHOE	174	300			2	600	1000	1700	700
0017	B-2	HEWITT JOHN	BOOT/SHOE	174	200			2	500	600	1600	1000
0017	G-1	KENNEY DENNIS	SHOE SHOP	174	60			3	800	648	1560	912
0017	A-3	RODGERS JOHN	SHOEMAKER	174	200			2	500	750	1500	750
0017	B-2	SNIDER FREDRICH	SHOE SHOP	174	100			2	600	790	1500	710
0017	F-1	WALKER JOHN	BOOT/SHOE	174	750			2	350	600	1400	800
0017	A-1	WEIDRICK JOHN	SHOE SHOP	174	1			1	400	600	1200	600
0017	D-1	MCDIARMID K	BOOT/SHOE	174	150			1	350	500	1200	700
0017	E	MCCLUNG WILLIAM	BOOT/SHOE MF	174	300			2	500	500	1200	700
0017	C	BYGRAVE JAMES	SHOE SHOP	174	300			2	600	400	1100	700
0017	H	HAYES JAMES	BOOT/SHOE	174	20			5	625	300	1050	750
0017	A-1	SCHISLER JOHN MAR	SHOE SHOP	174	500			1	300	400	1000	600
0017	A-3	WHITTAKER ROBERT	SHOEMAKER	174	200			1	300	350	1000	650
0017	A-4	WHITAKER ROBERT	SHOEMAKER	174	600			2	500	400	1000	600
0017	C	HARRISON WILLIAM	SHOE SHOP	174	200			1	300	500	1000	500
0017	C	BILGER ANDREW	SHOE SHOP	174	100			1	400	250	1000	750
0017	C	FOREMAN JOHN	SHOE SHOP	174	150			1	200	400	800	400
0017	B-1	STERNAMAN DAVID	SHOE SHOP	174	100			1	300	500	800	300
0018	A-1	EATON CHARLES	SHOE SHOP	174	100			1	400	200	650	450
0018	C	BALDWIN GEORGE	BOOT/SHOEMAKER	S 174	100			1	250	400	640	240
0017	A-4	THOMPSON JOHN	SHOE SHOP	174	500			1	250	200	500	300
0017	A-1	BANFIELD JOHN	SHOE SHOP	174	100			1	250	250	500	250
0017	A-3	ELLIOTT ROBERT	SHOE SHOP	174	20			1	200	200	400	200
0017	A-1	BRADLEY NATHANIEL	SHOE SHOP	174	1			1	150	150	300	150
0017	H	MCBAY ALEXANDER	BOOT/SHOE	174	1			1	290	150	400	200
0017	H	WESTON ROBERT	BOOT/SHOE	174	100			1	200	300	400	100
0017	B-2	NOBLE JACOB	SHOE SHOP	174	100			1	250	125	375	250
0017	A-4	WILLIAMSON WILLIA	SHOE SHOP	174	150			1	150	80	260	180
0017	A-3	SECORD ROBERT	SHOEMAKER	174	100			1	100	90	200	110
0017	D-1	LINNEY ROBERT	BOOT/SHOE	174	50			1	150	50	200	150
0017	E	RALSTON ALEXANDER	BOOTS/SHOES/TANN	174/172	1			2	14025	18083	39785	21702
					7200			0	62	62	62	62

HALDIMAND COUNTY : TEXTILE PRODUCERS BY VALUE OF OUTPUT, 1871

HALDIMAND COUNTY : CLOTHING PRODUCERS BY VALUE OF OUTPUT, 1871

HALDIMAND COUNTY: SAW MILLS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	F-1	STEWART HUGH	SAW MILL	251	1400	STEAM	25	9	1720	30000	36000	6000
0018	B-2	SMITH MAJOR A	SAW MILL	251	8000	STEAM	35	10	3650	8000	15000	7000
0017	B-2	HOLLAND ROBERT	SAW MILL	251	1500	STEAM	25	5	1100	1500	9000	7500
0017	A-4	WOLTZ BROS	SAW MILL	251	3200	STEAM	30	7	1100	5000	8000	3000
0018	B-2	TRYING & DUVAL	SAW MILL	251	3500	WATER	50	5	1200	4500	8000	3500
0017	D-2	JACK WILLIAM	SAW MILL	251	1000	STEAM	16	8	1000	3000	5000	2000
0017	F-2	MUTCHMORE RALPH	SAW MILL	251	1500	STEAM	14	7	980	2500	5000	2500
0017	G-2	PLANNING/SASH/BLI	251/254		2000	WATER	16	2	800	2000	5000	3000
0017	G-2	BAKER COLIN	SAW MILL	251	1500	WATER	27	4	800	4500	4800	3000
0017	D-1	BADGLEY M T	SAW MILL	251	1000	STEAM	16	4	450	2500	4000	1500
0018	A-1	MCDONALD ARCHIBAL	SAW MILL	251	400	WATER	12	6	870	2500	4000	1500
0017	F-2	DONALDSON WILLIAM	SAW MILL	251	2000	WATER	20	4	1000	2000	3200	1200
0017	G-3	HULL WILLIAM H	SAW MILL	251	1000	STEAM	20	8	520	1200	2700	1500
0017	H	MCKINNON RONALD	SAW MILL	251	1000	WATER	30	6	1000	500	2500	2000
0017	D-2	CAMPBELL DONALD	SAW MILL	251	500	STEAM	24	3	400	1000	2000	1000
0017	F-1	MUTCHMORE JOHN	SAW MILL	251	3000	STEAM	15	10	600	1000	2000	1000
0017	G-1	LESTER THOMAS	SAW MILL	251	800	WATER	12	4	800	600	1800	1200
0017	B-1	NEFF DAVID	SHINGLE FACTORY	251-S	100	STEAM	15	5	150	500	1500	1000
0017	A-1	SWARTS JOHN	SAW MILL	251	400	WATER	10	1	32	850	1200	350
0017	A-1	WOOD DAVID	SAW MILL	251	1000	WATER	20	3	300	500	700	200
0017	A-4	SHOUP LEVI	SHINGLE FACTORY	251-S	150	STEAM	12	4	300	200	700	500
0018	C	STRAWBRIDGE JOBE	SAW MILL	251	1000	WATER	10	2	150	500	600	100
0018	C	MELICK WALTER	SAW MILL	251	1000	WATER	16	2	100	300	600	300
0017	B-2	HUNSBERGER ISAAC	SAW MILL	251	1000	WATER	12	2	120	200	400	200
0017	G-1	LESTER THOMAS	SHINGLE MILL	251-S	600	WATER	6	1	10	35	150	115
					38550		488	122	19152	75385	123850	48465

HALDIMAND COUNTY: COOPERS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
O017	G-3	DOYLE JOHN	COOPER SHOP	259-C	200		4	1872	1400	3880	2480	
O017	H	MARTINEAU REUBEN	COOPER SHOP	259-C	150		3	500	700	1200	500	
O017	I	DAVID JOHN	COOPERAGE	259-C	100		1	400	200	600	400	
O018	A-2	OVERHOLT NICHOLAS	COOPER SHOP	259-C			2	200	102	550	448	
O017	G-3	LASKEY WILLIAM	COOPER SHOP	259-C	200		2	400	100	500	400	
O017	A-4	QUICK JOHN	BARREL FACTORY	259-C	25		1	300	35	375	340	
O017	B-1	MATTHEWS NICHOLAS	COOPER SHOP	259-C	100		1	50	50	300	250	
O017	F-1	SENN JAMES	CHURN MANUFACTOR	259-C	20		1	40	10	50	40	
					795	0	15	3712	2597	7455	4858	

HALDIMAND COUNTY: FURNITURE SHOPS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
O017	H	BUILDER JOHN	CABINET FACTORY	261/258	4000	STEAM	8	14	4500	2960	15000	12040
O017	G-2	WILSON WILLIAM	CABINET FACTORY	261	4000	WATER	16	12	3000	1250	8000	6750
O018	B-2	SCOTT WILLIAM	CABINET SHOP	261	2600	STEAM	8	9	2400	2000	8000	6000
O017	B-2	NAGEL JOHN	CABINET SHOP	261	150		1	300	150	1200	1050	
O017	B-2	CONSHAFTER AUGUST	CABINET FACTORY	261	500	HORSE	2	2	600	200	1000	800
O018	B-2	SCHOFIELD JAMES	CABINET SHOP	261	1500		2	200	180	380	200	
O017	A-1	JACKSON HENRY	CABINET SHOP	261	100		1	100	40	150	110	
					12850	34	41	11100	6780	33730	26950	

HALDIMAND COUNTY : TINSMITHS ETC BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	H	WALKER ROBERT	TIN SHOP	304-T	400		4	1525	1000	3000	2000	
0017	G-2	MADJETT THOMAS	MACHINE SHOP	306/306-C	2000	WATER	16	5	600	600	1500	900
0017	H	WILLER REUBEN	TIN SHOP	304-T	600		2	688	600	1250	650	
0017	G-1	COCHRANE JOHN	TIN SHOP	304-T	100		3	400	360	1080	720	
0017	H	LEISK JOHN	BLACKSMITH SHOP	309	25		2	650	151	1000	849	
0017	A-1	BAIRD WILLIAM	TIN SHOP	304-T	200		1	300	500	950	450	
0017	A-1	WILSON JOHN	TIN SHOP	304-T	20		1	400	500	900	400	
0017	F-1	MCMULLEN JOHN	TIN SHOP	304-T	30		3	400	80	600	520	
0017	F-1	MCMULLEN GEORGE	TIN SHOP	304-T	40		2	300	144	500	356	
0017	F-3	RUSSEL AMOS	RAKE/FORK MF	306			1	350	50	400	350	
				3415			16	24	5613	3985	11180	7195

HALDIMAND COUNTY : MACHINERY MAKERS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	H	SCOTT JOHN &	FOUNDRY/AGR C IMP	311	8000	STREAM	21	32	12000	5600	20700	15100
0017	A-3	ROBINSON THOMAS	BLACKSMITH SHOP	311/329	100		2	400	250	2000	1750	
0017	A-3	BROCK DAVID	BLACKSMITH	311/329	200		2	250	400	2000	1600	
0017	H	BATTERSON SAMUEL	BLACKSMITH SHOP	-311/309	250		4	1350	425	2000	1575	
0017	A-3	MILLER LEWIS	PLoughmaker	311	150		3	800	250	1800	1550	
0017	A-2	JONES DAVID	PUMP MANUFACTURE	315-P	600	HORSE	4	2	600	200	1000	800
0017	G-1	ROBB ALEXANDER	BLACKSMITH FORGE	311/896	250		2	700	500	1000	500	
0017	G-1	POOL JOHN	BLACKSMITH FORGE	311/896	150		1	360	360	1000	640	
0017	H	GIBSON JOHN	BLACKSMITH SHOP	311/329-P	100		2	450	250	1000	750	
0017	A-1	BANFIELD JAMES	AGRICULTURAL SHO	311	1000	HORSE	1	3	200	300	800	500
0017	F-1	GLENN WILLIAM	PUMP MANUFACTORY	315-P	100	HORSE	8	2	500	100	800	700
0017	H	WILMAR GEORGE	PUMP FACTORY	315-P	75		1	155	35	350	315	
0017	A-1	KNISLEY CHRISTIAN	BLACKSMITH FORGE	311	100		1	200	100	300	200	
0017	A-1	KNISLEY CHRISTIAN	BLACKSMITH FORGE	311	100		2	60	60	200	140	
				11175			34	59	18025	8830	34950	26120

HALDIMAND COUNTY: CARRIAGE/WAGON MKRS BY VALUE OF OUTPUT, 1871

HALDIMAND COUNTY: BRICK/MARBLE/LIME BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	SIC	TYPEEST	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	G-2	MARTINDALE BROS	PLASTER MILL	359-P	3000	WATER	20	11	2700	2000	7700	5700
0017	F-2	DONALDSON WILLIAM	PLASTER MILL	359-P	3000	WATER	20	6	2000	2000	5000	3000
0017	H	NEW JOHN	BRICK YARD	351-B	700	HORSE	1	6	900	300	2500	2200
0017	A-2	RODGERS EDWARD	BRICK KILN	351-B	500		7	500	75	1800	1725	
0017	G-1	UFFERTON THOMAS ?	BRICK KILN	351-B	100	HORSE	1	4	750	100	650	550
0018	B-2	SCHOFIELD JAMES	MARBLE SHOP	353	500		1	1	100	500	620	120
0017	F-2	MCDONALD DONALD	LIME KILN	358-L	50		2	200	140	600	460	
0017	A-4	SECORD & SONS	LIME KILN	358-L	48		4	400	48	575	527	
0017	I	BROWN GEORGE	LIME KILN	358-L	100		2	300	40	400		
0017	F-2	FORBES DANIEL	LIME KILN	358-L	80		1	40	96	360	264	
0017	B-2	WHALEN ADOLPH	BRICK KILN	351-B	100	HORSE	1	2	120	25	250	225
0017	F-1	FORSYTHE JAMES	LIME KILN	358-L	50		2	150	8	250	242	
0017	A-4	ALMAS WILLIAM	LIME KILN	358-L	40		2	180	48	240	192	
0017	F-1	MCDONALD JOHN	LIME KILN	358-L	60		2	150	66	200	134	
0017	C	HOOVER JOHN	LIME KILN	358-L	50		2	50	16	160	144	
0017	C	SMITH JOHN	LIME KILN	358-L	50		2	60	16	126	110	
0017	B-2	HOOVER CHRISTIAN	LIME KILN	358-L	20		2	30	80			
0017	B-2	SWARTS GIDEON	LIME KILN	358-L	20		2	30	60	60	40	
0017	B-2	SHERK ELIAS	LIME KILN	358-L	25		1	30	20	50	42	
0017	C	FATHERS JOSEPH	LIME KILN	358-L	25		1	40	8			
					8518		43	62	8730	5466	21681	15675

HALDIMAND COUNTY : BLACKSMITHS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	B-2	ELOREMAN CHRISTOPH	BLACKSMITH	SHOP	896	150	.	2	500	1000	2000	1000
0017	A-4	KINNER JOHN	BLACKSMITH	SHOP	896	700	.	2	500	1500	1500	950
0017	B-2	ELMORTH LEANDER	BLACKSMITH	SHOP	896	300	.	2	700	500	1000	1000
0017	F-2	GOODBRAND CHARLES	BLACKSMITH	SHOP	896	250	.	2	600	240	1500	1260
0017	D-2	SDRINGTON ARCHIBALD	BLACKSMITH	SHOP	896	100	.	3	600	500	1400	900
0017	B-1	NOBLE GEORGE	BLACKSMITH	SHOP	896	400	.	2	250	400	1300	900
0017	A-1	DICK JOHN	BLACKSMITH	FORGE	896	400	.	1	400	350	1200	850
0017	B-1	MILLER NICHOLAS	BLACKSMITH	SHOP	896	100	.	1	180	300	1200	900
0017	F-1	LUTES JOHN C	BLACKSMITH	SHOP	896	100	.	3	500	320	1200	880
0017	E	HUMS WILLIAM	BLACKSMITH	FORGE	896	.	.	2	500	250	1000	750
0017	A-1	SHELDICK JAMES	BLACKSMITH	FORGE	896	700	.	1	300	500	950	450
0017	A-4	BOWMAN ROBERT	BLACKSMITH	SHOP	896	100	.	1	300	200	900	700
0017	B-2	CULVER PETER	BLACKSMITH	SHOP	896	100	.	1	300	400	900	500
0017	G-3	HADDLE THOMAS	BLACKSMITH	SHOP	896	500	.	4	550	200	800	600
0017	I	DRAKE THOMAS	BLACKSMITH	FORGE	896	200	.	2	100	200	800	600
0017	D-1	COUTTS JOHN	BLACKSMITH	SHOP	896	200	.	1	312	150	750	600
0017	H	SYMINGTON WILLIAM	BLACKSMITH	SHOP	896	200	.	1	450	100	700	600
0018	B-2	CAIRNS SAMUEL	BLACKSMITH	SHOP	896	200	.	1	50	90	700	610
0017	A-1	NUNN BENJAMIN	BLACKSMITH	FORGE	896	100	.	1	300	100	600	500
0017	D-2	MITCHEL ADAM	BLACKSMITH	FORGE	896	150	.	1	420	60	600	540
0017	C	DRAKE NEILSON	BLACKSMITH	FORGE	896	100	.	2	345	150	500	350
0017	F-1	TURNBULL ROBERT	BLACKSMITH	SHOP	896	100	.	1	400	100	500	400
0017	F-1	MITCHELL FREDERIC	BLACKSMITH	SHOP	896	400	.	1	300	120	500	380
0017	B-2	BYER BENJAMIN	BLACKSMITH	SHOP	896	150	.	1	350	200	450	250
0017	A-1	CRAWFORD JOSEPH	BLACKSMITH	FORGE	896	100	.	1	300	100	400	300
0017	C	WISMER ISAAC	BLACKSMITH	FORGE	896	126	.	2	300	100	400	300
0017	F-1	ELLISON ROBERT	BLACKSMITH	SHOP	896	100	.	1	300	100	400	300
0017	G-3	GILLETT MATTHEW	BLACKSMITH	SHOP	896	100	.	1	300	70	400	330
0017	H	KNIPE SOLOMON	BLACKSMITH	FORGE	896	200	.	1	350	30	400	370
0018	A-2	RUNCHY CYRUS	BLACKSMITH	FORGE	896	.	.	1	.	.	.	.
0017	D-1	FRYER EDWARD	BLACKSMITH	FORGE	896	50	.	1	325	25	350	325
0017	C	SENN MARK	BLACKSMITH	FORGE	896	100	.	1	250	30	300	270
0017	F-1	VIEGLE JACOB	BLACKSMITH	SHOP	896	100	.	1	200	100	300	200
0017	F-1	KERR ANDREW	BLACKSMITH	SHOP	896	.	.	1	220	80	300	220
0017	C	VASVINDER ANDREW	BLACKSMITH	FORGE	896	300	.	1	90	100	280	180
0017	A-4	HOGGARTH WILLIAM	BLACKSMITH	SHOP	896	200	.	1	150	70	250	180
0017	C	DANCKERT FREDERIC	BLACKSMITH	SHOP	896	50	.	1	200	50	250	200
0017	G-2	GOODBRAND JOHN	BLACKSMITH	SHOP	896	200	.	1	.	100	200	100
0017	C	FRY JOHN	BLACKSMITH	FORGE	896	70	.	1	90	10	100	90
0017	G-3	PHILLIPS DANIEL	BLACKSMITH	FORGE	896	100	.	1	30	30	60	30
0018	A-2	STEWART JOHN	BLACKSMITH	FORGE	896	120	.	1	.	.	60	.
0017	C	GRAINGER JACOB	BLACKSMITH	FORGE	896	250	.	1	300	300	.	.
0018	A-1	DODGE HENRY W	BLACKSMITH	SHOP	896	.	.	1	59	12612	8275	19865
									0	7766		

HALDIMAND COUNTY: FIRMS WITH 25+ HP INANIMATE POWER, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	F-2	MCQUARRIE & THORB	GRIST/FLOUR MILL	105	10000	WATER	400	5	2000	266500	266500	0
0017	G-1	THOMPSON DAVID	GRIST/FLOUR MILL	105	15000	WATER	50	3	1062	11870	13660	1790
0017	H	MCKINNON RONALD	GRIST/FLOUR MILL	105	9000	WATER	50	3	1200	15000	18000	3000
0018	B-2	IRVING & DUVAL	SAW MILL	251	3500	WATER	50	5	1200	4500	8000	3500
0017	H	MCKINNON RONALD	WOOLEN FACTORY	182	31000	WATER	40	37	12000	24000	45000	21000
0018	B-1	HANEY STEPHEN	GRIST/FLOUR MILL	105	7000	STEAM	35	2	1600	27000	33000	6000
0018	B-2	SMITH MAJOR A	SAW MILL	251	8000	STEAM	35	10	3650	8000	15000	7000
0017	A-4	WOLTZ BROS	SAW MILL	251	3200	STEAM	30	7	1100	5000	8000	3000
0017	A-4	WOLTZ BROS	HUB FACTORY	329-P	1600	STEAM	30	7	970	500	3000	2500
0017	F-2	DONALDSON JOHN	GRIST/FLOUR MILL	105	6000	WATER	30	2	500	14200	15250	1050
0017	H	MCKINNON RONALD	SAW MILL	251	1000	WATER	30	6	1000	500	2500	2000
0017	G-2	BAKER COLIN	SAW MILL	251	1500	WATER	27	4	800	4500	4800	300
0017	B-2	HOOVER DERRICK	GRIST MILL	105	2500	STEAM	25	2	300	1000	1100	1000
0017	B-2	SMITH DAVID	TURNING FACTORY	329-P	4000	STEAM	25	8	1800	1000	7000	6000
0017	B-2	HOLLAND ROBERT	SAW MILL	251	1500	STEAM	25	5	1100	1500	9000	7500
0017	F-1	STEWART HUGH	SAW MILL	251	1400	STEAM	25	9	1720	30000	36000	6000
0018	B-1	CHAMBERS RICHARD	GRIST MILL	105	10000	WATER	25	3	800	3500	44000	9000
0018	B-2	WALTHO WILLIAM	WOOLEN FACTORY	182	400	STEAM	25	11	1700	3000	6000	3000
					116600		957	129	34502	462070	545710	83640

HALDIMAND COUNTY: FIRMS EMPLOYING 2+ FEMALES IN 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	FEMALE	WAGES	SUMRAWC	SUMPROC	VADD
0017	H	BRODERICK D E	CLOTHING EST	243	3000				11	3500	8000	10100
0017	H	MCKINNON RONALD	WOOLEN FACTORY	182	31000	WATER	40	11	12000	24000	45000	21000
0017	F-2	KERR JAMES	CLOTH FACTORY	182-W	25				4	250	230	395
0017	A-4	WALTERS LUTHER T	TAILOR SHOP	243					3	650	1500	3550
0017	E	GIBBONS JOSEPH	TAILOR	243					3	1000	800	2050
0017	H	GARLAND N & T	TAILOR SHOP	243	300				3	1200	5000	3000
0018	B-2	WALTHO WILLIAM	WOOLEN FACTORY	182	400	STEAM	25	3	1700	3000	6000	3000
0017	A-4	SOLLES ANGELINE	WEAVING SHOP	182-W					2	200	600	520
0017	F-1	MCNUILLEN JOHN	TIN SHOP	304-T					2	400	80	300
0017	F-2	MCKRAY MRS	TAILOR	243	60				2	300	600	300
0017	G-1	LEITCH WILLIAM	WEAVER	182-W	40				2	150	677	1037
0017	H	BROWN W & J	MILLINERY EST	249-M	500				2	300	1000	1400
0017	H	POLE MARY G	MILLINERY/DRESSM	249-M	200				2	300	200	400
0017	H	MCKEOWN ARABELL	DRESSMAKER/MILLI	244	32				2	100	150	130
0017	H	RADFORD M & T	WEAVING	182-W	50				2	150	70	200
					35627		65	54	22200	45457	80762	35155

HALDIMAND COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	A-1		BLACKSMITH FORGE	311	100		1	200	100	300	200	
0017	G-2	ABRAHAM WILLIAM	PLANTING/SASH/BLI	251/254	2000	WATER	16	2	800	2000	5000	3000
0017	A-3	ADAMS JOHN	HARNESS SHOP	179-S	100		2	250	350	900	550	
0017	G-2	ALMAS WILLIAM	BLACKSMITH SHOP	329-P	300		2	600				
0017	A-4	BADGLEY M T	LIME KILN	358-L	40		2	180	48		192	
0017	D-1	BAIRD WILLIAM	SAW MILL	251	1000	STEAM	16	4	450	2500	4000	1500
0017	A-1	BAKER THOMAS	TIN SHOP	304-T	200		1	300	500	950	450	
0017	E	BAKER COLLIN	CARPENTER/JOINER	259	1500	WATER	27	2	400	200	800	600
0018	C	BALDWIN GEORGE	SAW MILL	251	100		1	400	400	4500	3000	
0017	I	BAND ROBERT	BOOT/SHOEMAKER	S 174	4500		1	400	6000	8000	2000	
0017	A-1	BANFIELD JAMES	FLOUR MILL	105	4500		1	300	300	800	500	
0017	A-1	BANFIELD JOHN	AGRICULTURAL SHO	311	1000	HORSE	1	3	200	100	200	100
0017	A-1	BANFIELD JOHN	TANNERY	172	200		1	100	100	200	200	
0017	A-1	BAYLEY EDWARD	SHOE SHOP	174	100		1	250	200	500	300	
0017	G-3	BENNER R L	CARPENTER SHOP	329/421-C	300		2	100	30	300	270	
0018	A-1	BENNER ALBERT	BLACKSMITH/WAGON	329/896	200		1	245	30	500	255	
0018	A-1	BENSON ALBERT	BLACKSMITH/WAGON	329/896	400		2	245	500	500	255	
0017	C	BILGER ANDREW	SHOE SHOP	174	200		1	300	500	1000	500	
0018	B-1	BLACK CHARLES E S	PRINTING OFFICE	289	2500		4	900	600	3000	2400	
0017	C	BOOSE JOHN	TANNERY	172	300		1	400	300	900	600	
0017	C	BOOTH ROBERT	WEAVING SHOP	182-W	100		1	100	65	220	155	
0017	A-2	BOOTH ROBERT	BLACKSMITH SHOP	896	100		1	300	200	900	700	
0017	A-4	BOWMAN ROBERT	WOOD SHOP	329	20		1	200	50	300	250	
0017	A-4	BOWMAN SAMUEL	POTASH FACTORY	378-P	60		5	86	176	360	184	
0017	A-4	BOWMAN WILLIAM	POTASH FACTORY	378-P	60		1	200	200	400	200	
0017	A-1	BRADLEY NATHANIEL	SHOE SHOP	174	200		1	1	60	112	52	
0017	C	BRADSHAW JAMES	OIL CAKE MANUFAC	108-L	200	HORSE	1	1	250	400	2000	1600
0017	A-3	BROCK DAVID	BLACKSMITH	311/329	200		2	2	20	160	500	340
0017	A-3	BROCK JOHN	BLACKSMITH SHOP	329	150		1	16	3500	8000	10100	2100
0017	H	BRODERICK D E	CLOTHING EST	243	3000		2	300	400			
0017	I	BROWN GEORGE	LIME KILN	358-L	100		2	300	1000	1400	400	
0017	H	BROWN W & J	MILLINERY EST	249-M	500		2	200	220	2960	15000	12040
0017	A-2	BUCK MARTIN	POTASH MANUFACTO	378-P	200	STEAM	8	14	4500	450	400	
0017	H	BUILDER JOHN	CABINET FACTORY	261/258	4000		1	1	4500	400	1600	1200
0017	A-3	BURBIDGE JAMES	HOUSE CARPENTER	421-C	300		2	600	600	1000	900	
0017	E	BURGESS JAMES	HARNESSMAKER	179-S	150		1	2	350	200	450	250
0017	B-2	BUYER JOSEPH	BOOT/SHOE SHOP	174	300		2	600	600	1000	700	
0017	B-2	BUYER BENJAMIN	BLACKSMITH SHOP	896	150		1	700	200	2000	2000	0
0017	A-4	BYERS HENRY	HARNESS SHOP	179-S	800		3	600	400	1100	700	
0017	C	BYGRAVE JAMES	SHOE SHOP	174	300		2	50	90	700	610	
0018	B-2	CAIRNS SAMUEL	BLACKSMITH SHOP	896	200		1	300	500	1200	700	
0017	E	CAMPBELL EDWARD	PRINTING OFFICE	286	500		2	400	1000	2000	44000	9000
0017	D-2	CAMPBELL DONALD	SAW MILL	251	10000	STEAM	24	3	800	3000	3000	660
0018	B-1	CAMPBELL RICHARD	GRIST MILL	105	200	WATER	25	3	200	1000	150	1850
0017	F-1	CLARK CORNELIUS	CHEESE FACTORY	104	1000		2	3	1000	400	400	1080
0017	G-2	CLARK WILLIAM	WAGON SHOP	329	100		3	3	3	3	3	720
0017	G-1	COCHRANE JOHN	TIN SHOP	304-T	100		2	2	2	2	2	
0017	B-2	CONSHAFTER AUGUST	CABINET FACTORY	261	500	HORSE	2	600	600	800	800	
0017	D-1	COUTTS JOHN	BLACKSMITH SHOP	896	200		1	312	150	600	600	
0017	A-1	CRAWFORD JOSEPH	BLACKSMITH FORGE	896	100		1	300	100	400	300	
0017	B-2	CULVER PETER	BLACKSMITH SHOP	896	100		1	300	400	900	500	
0017	C	DANCKERT FREDERIC	BLACKSMITH SHOP	896	50		1	200	200	1000	500	

HALDIMAND COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	I	DAVID JOHN	COOPERAGE	259-C	100			1	400	200	600	400
0017	G-2	DAVIS ADAM A	GRIST MILL	105	3000	WATER		2	700			.
0017	A-1	DAY SAMUEL	SADDLER SHOP	179-S	200			1	330	400	800	400
0017	F-1	DECEN ROBERT P	GRIST MILL	105	1000	WATER	20	1	350	7000	7500	500
0017	F-1	DECEN WILLIAM C	GRIST MILL	105	5000	WATER	12	1	350	14000	16500	2500
0017	A-1	DICK GEORGE	SADDLER SHOP	179-S	150			1	150	50	200	150
0017	A-1	DICK JOHN	BLACKSMITH FORGE	896	400			1	400	350	1200	850
0017	A-2	DICK THOMAS	WEAVING SHOP	182-W	.			1	250	365	700	350
0017	H	DISHER JOHN	CARDING MILL	189-W	1500	WATER	20	1	375	300	800	500
0018	A-1	DODGE HENRY W	BLACKSMITH	896	250			1	300	500	14200	15250
0017	F-2	DONALDSON JOHN	GRIST/FLOUR MILL	105	6000	WATER	30	1	2000	2000	50000	1050
0017	F-2	DONALDSON WILLIAM	PLASTER MILL	359-P	3000	WATER	20	1	2000	2000	30000	3000
0017	P-2	DONALDSON WILLIAM	SAW MILL	251	2000	WATER	20	1	1000	2000	3200	1200
0017	B-1	DOUGHERTY MICHAEL	SHOE SHOP	174	250			2	550	800	1800	1000
0017	G-3	DOYLE JOHN	COOPER SHOP	259-C	200			4	1872	1400	3880	2480
0017	I	DRAKE JOHN	WAGONMAKER	329	200			2	600	800	1500	700
0017	C	DRAKE NELSON	BLACKSMITH FORGE	896	100			2	345	150	500	350
0017	I	DRAKE THOMAS	BLACKSMITH FORGE	896	200			2	100	200	800	600
0017	H	EARL ELIZABE	SADDLE/HARNESS S	179-S	200			3	600	800	2000	1200
0018	A-1	EATON CHARLES	SHOE SHOP	174	100			1	300	500	800	300
0017	A-3	ELLIOTT ROBERT	SHOE SHOP	174	20			1	250	250	500	250
0017	F-1	ELLISON ROBERT	BLACKSMITH SHOP	896	100			1	300	100	400	300
0017	A-3	ELMER JAMES	BLACKSMITH SHOP	329	400			2	400	260	2500	2240
0017	A-3	ELMOREMAN CHRISTOP	WAGON/CARRIAGEMA	329	500			3	900	60	3600	3540
0017	B-2	ELWORTH LEANDER	BLACKSMITH SHOP	896	150			2	500	1000	2000	1000
0017	B-2	FARMAR JOHN	BLACKSMITH SHOP	896	300			2	700	500	1500	1000
0017	G-2	FATHERS JOSEPH	CARRIAGE SHOP	329	700			2	700	500	2000	1500
0017	C	FERGUSON JOSEPH	LIME KILN	358-L	25			1	40	8	50	42
0017	A-3	FORBES DANIEL	CARPENTER SHOP	259-A	100			1	300	60	400	340
0017	F-2	FORBES DANIEL	LIME KILN	358-L	80			1	40	96	360	264
0017	C	FOREMAN JOHN	SHOE SHOP	174	100			1	400	250	1000	750
0017	F-1	FORSYTHE JAMES	LIME KILN	358-L	50			2	150	8	250	242
0017	C	FRY ELIAS	CARRIAGE SHOP	329	250			2	475	22	500	478
0017	A-3	FRY JOHN	BLACKSMITH FORGE	896	70			1	90	10	100	90
0017	F-2	FRYER EDWARD	BLACKSMITH FORGE	896	50			1	325	25	350	325
0017	D-1	FULTON SAMUEL	WAGON SHOP	329	.			2	400	57	600	543
0017	H	GADSBY AMOS	CARRIAGE SHOP	329	400			2	600	45	1000	955
0017	B-2	GALING JOHN	WAGON SHOP	329	.			1	300	50	400	350
0017	F-1	GARLAND N & T	TAILOR SHOP	243-/249-H	300			4	1200	5000	8000	3000
0017	H	GENITSCH ERNEST	WAGON SHOP	329	400			2	100	50	500	450
0017	B-1	GIBBONS JOSEPH	TAILOR	243	.			2	1000	800	2000	1200
0017	E	GIBSON JOHN	BLACKSMITH SHOP	311/329-P	100			5	450	250	1000	750
0017	H	GILLEIN MATTHEW	BLACKSMITH SHOP	896	100			2	300	70	400	330
0017	G-3	GLENDON RICHARD	BLACKSMITH FORGE	329	.			1	300	650	1500	850
0017	F-1	GLENN RICHARD	PUMP MANUFACTORY	315-P	1300	HORSE	8	2	500	100	800	700
0017	F-1	GLOVER CHARLES	WAGON SHOP	329	200			1	320	25	500	475
0017	A-3	GOODBRAND CHARLES	BLACKSMITH SHOP	896	250			2	600	240	1500	1260
0017	F-2	GOODBRAND JOHN	BLACKSMITH SHOP	896	200			1	100	200	481	100
0017	G-2	GOODYEAR WILLIAM	BLACKSMITH SHOP	329	400			4	1600	2360	2360	1879
0017	H	GRAINGER JACOB	BLACKSMITH FORGE	896	120			1	80	20	100	80
0017	C	GRAINGER JOSEPH	CARPENTER SHOP	259	80			1	80	20	100	80

HALDIMAND COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FLXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	A-1	GREIG JOHN	WEAVING SHOP	182-W	100			1	300	900	1200	300
0017	F-2	GRIFFITH BENJAMIN	WEAVER	182-W	70			2	200	400	600	200
0017	G-2	GRIFFITH JOHN	BLACKSMITH	SHOP	329-P	400		3	800	700	2000	1300
0017	G-3	HADDLE THOMAS	BLACKSMITH	SHOP	896	500		4	550	200	800	600
0018	B-1	HANEY JAMES	GRIST/FLOUR MILL	105	5800	WATER		4	1000	52000	60000	8000
0018	B-1	HANEY STEPHEN	GRIST/FLOUR MILL	105	7000	STEAM	35	2	1600	27000	33000	6000
0018	A-1	HARRIS GEORGE	WAGONMAKER	329	100			1	45	220	175	
0017	A-3	HARRIS WILLIAM	HARNESS SHOP	179-S	1400			2	300	640	1200	560
0017	A-4	HARRISON WILLIAM	SHOE SHOP	174	600			2	500	400	1000	600
0017	H	HAYES JAMES	BOOT/SHOE SHOP	174	20			5	625	300	1050	750
0017	B-1	HELD CHRISTIAN	WEAVING SHOP	182-W	10			1	100	350	350	0
0018	A-2	HENGELLER LEONZO	CARRIAGE SHOP	329				1	23	200	177	
0017	H	HENNEFIN MICHAEL	WAGON SHOP	329	400			2	850	150	1500	1350
0017	G-2	HEWITT JOHN	BOOT/SHOE SHOP	174	200			2	500	600	1600	1000
0017	C	HIGH PHILIP	CARPENTER SHOP	259	100			1	50	20	75	55
0017	A-4	HISELY ABRAHAM	TANNERY	172	200			1	65	60	120	60
0017	B-2	HOALL RICHARD A	WAGON SHOP	329	600	HORSE	4	3	800	800	1800	1000
0017	A-1	HOBBS AARON	GRIST/CARDING MI	105/189-W	6000	STEAM	20	2	600	16000	17600	1600
0017	A-4	HOGGARTH WILLIAM	BLACKSMITH	SHOP	896	200		1	150	70	250	180
0017	B-2	HOLLAND ROBERT	SAW MILL	251	1500	STEAM	25	5	1100	1500	9000	7500
0017	B-2	HOOVER CHRISTIAN	LIME KILN	358-L	20			2	30		80	
0017	B-2	HOOVER DETRICK	GRIST MILL	105	2500	STEAM	25	2	300	10000	11000	1000
0017	C	HOOVER JOHN	LIME KILN	358-L	50			2	50	16	160	144
0017	H	HOWARD JOHN	SADDLE/HARNESS S	179-S				3	850	750	1650	900
0017	H	HULL HENRY	SADDLER/HARNESS	179-S	300			4	800	800	2000	1200
0017	B-3	HULL WILLIAM H	SAW MILL	251	1000	STEAM	20	8	520	1200	2700	1500
0017	E	HUMS WILLIAM	BLACKSMITH FORGE	896	50			2	500	250	1000	750
0017	B-2	HUNSPERGER ISAAC	SAW MILL	251	1000	WATER	12	2	120	200	400	200
0018	B-2	TRYING & DUYAL	SAW MILL	251	3500	WATER	50	5	1200	4500	8000	3500
0017	D-2	JACK WILLIAM	SAW MILL	251	1000	STEAM	16	8	1000	3000	5000	2000
0017	A-1	JACKSON HENRY	CABINET SHOP	261	100			1	100	40	150	110
0017	A-3	JAFERIAS JOHN	GRIST MILL	105	700	STEAM	·	1	600	8000	12500	4500
0017	A-2	JONES DAVID	PUMP MANUFACTURE	315-P	600	HORSE	4	2	600	200	1000	800
0017	H	KEAN DAVID	BAKERY	107	500			3	800	3900	5000	1100
0017	B-1	KEMP GEORGE	SHOE SHOP	174	100			3	400	1250	2000	750
0017	H	KENNEDY DONALD	TAILOR ESTABLISH	243/245				3	375	600	1000	400
0017	G-1	KENNEY DENNIS	SHOE SHOP	174	60			2	3	800	648	1560
0017	F-1	KERR ANDREW	BLACKSMITH	SHOP	896			1	220	80	300	220
0017	F-2	KERR JAMES	CLOTH FACTORY	182-W	25			5	250	230	625	395
0018	C	KILLINS GEORGE	WAGON/CARRIAGE S	658	140			1	470	62	530	468
0017	B-2	KINDY DAVID	TANNERY	172	500	HORSE	1	2	400	400	800	400
0017	H	KINNER JOHN	BLACKSMITH	SHOP	896	700		2	500	550	1500	950
0017	A-4	KNIFE SOLOMON	BLACKSMITH	SHOP	896	200		1	350	30	400	370
0017	A-1	KNISLEY CHRISTIAN	BLACKSMITH	FORGE	311	100		2	60	60	200	140
0017	G-3	LASKEY WILLIAM	COOPER SHOP	259-C	200			2	400	100	500	400
0017	G-1	LEES JAMES	CARDING/FULLING	189-W	2000	WATER	10	3	600	3171	3981	810
0017	H	LEISK JOHN	BLACKSMITH	SHOP	309	25		2	650	151	1000	849
0017	G-1	LEITCH WILLIAM	WEAVER	182-W	40			3	150	677	1037	360
0017	G-1	LESTER THOMAS	SAW MILL	251	800	WATER	12	4	800	600	1800	1200
0017	G-1	LESTER THOMAS	SHINGLE MILL	251-S	600	WATER	6	1	10	35	150	115
0017	A-4	LEWIS THOMAS	JOINER SHOP	259				1	400	200	800	600

HALDIMAND COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	G-2	LIKINS JOHN	HARNESS SHOP	179-S	600		2	450	600	1000	400	
0017	D-1	LINNEY ROBERT	BOOT/SHOE SHOP	174	50		1	150	50	200	150	
0017	A-1	LIVINGSTON HUGH	CARRIAGE SHOP	329	500		3	800	500	1500	1000	
0017	F-1	LUTES JOHN C	BLACKSMITH SHOP	896	100		3	500	320	1200	880	
0017	H	MACDONALD JOHN	BOOT/SHOE	174	1000		9	1560	3000	7150	4150	
0017	G-2	MADJEFT THOMAS	MACHINE SHOP	306/306-C	2000	WATER	16	5	600	1500	900	
0017	G-2	MARTINDALE BROS	PLASTER MILL	359-P	3000	WATER	20	11	2700	2000	7700	5700
0017	H	MARTINEAU REUBEN	COOPER SHOP	259-C	150		3	500	700	1200	500	
0017	B-1	MATTHEWS NICHOLAS	COOPER SHOP	259-C	100		1	290	50	300	250	
0017	H	MCBAY ALEXANDER	BOOT/SHOE SHOP	174			1	250	400	400	250	
0017	E	MCCLUNG WILLIAM	BOOT/SHOE MF	174			2	500	500	1200	700	
0017	D-1	MCDIARMID K	BOOT/SHOE SHOP	174	150		1	350	500	1200	700	
0018	A-1	MCDONALD ARCHIBALD	SAW MILL	251	400	WATER	12	6	870	2500	4000	1500
0017	F-2	MCDONALD DONALD	LIME KILN	358-L	50		2	200	140	600	460	
0017	F-1	MCDONALD JOHN	LIME KILN	358-L	60		2	150	66	200	134	
0017	E	MCGRAW JOSEPH	CARPENTER/JOINER	259			1	300	100	700	600	
0017	F-2	MCKAY MRS	TAILOR	243	60		2	300	300	600	300	
0017	H	MCKEOWN ARABELL	DRESSMAKER/MILLI	244/249-M	32		2	100	100	500	2500	
0017	H	MCKINNON RONALD	SAW MILL	251	1000	WATER	30	6	12000	24000	45000	2000
0017	H	MCKINNON RONALD	WOOLEN FACTORY	182	31000	WATER	40	37	12000	15000	18000	21000
0017	H	MCKINNON RONALD	GRIST/FLOUR MILL	105	9000	WATER	50	3	12000	15000	30000	30000
0017	A-2	MCMICKEN JOHN	BLACKSMITH SHOP	329	100		1	416	600	1600	1000	
0017	F-1	MCMULLEN GEORGE	TIN SHOP	304-T	30		2	300	144	500	356	
0017	F-1	MCMULLEN JOHN	TIN SHOP	304-T	20		3	400	80	600	520	
0017	F-2	MCQUARRIE & THORB	GRIST/FLOUR MILL	105	10000	WATER	400	5	2000	266500	266500	0
0018	C	MELICK WALTER	SAW MILL	251	1000	WATER	16	2	100	300	600	300
0017	G-2	MELLON J & W H	BLACKSMITH SHOP	329-P	400		3	850				.
0017	H	MESSINGER THOMAS	PRINTING OFFICE	289	3500		5	1000	1040	2800	1760	
0018	A-2	MILLER JAMES	CARRIAGE SHOP	329	500		3	471	452	1440	988	
0017	A-3	MILLER LEWIS	PLoughMAKER	311	150		3	800	250	1800	1550	
0017	B-1	MILLER NICHOLAS	BLACKSMITH SHOP	896	100		1	180	300	1200	900	
0018	C	MILLER ROBERT	CARRIAGE/WAGON S	329-P	300		1	300	80	400	320	
0017	H	MILLIGAN SAMUEL	WEAVING	182-W	50		2	300	300	600	300	
0017	D-2	MITCHELL ADAM	BLACKSMITH FORGE	896	150		1	420	60	600	540	
0017	F-1	MITCHELL NELSON	PAINTER/GLAZIER	421-D/421-G	400		4	500	1500	2600	1100	
0017	F-1	MITCHELL FREDERIC	BLACKSMITH SHOP	896	400		1	300	120	500	380	
0018	B-1	MONTAGUE WILLIAM	BLACKSMITH SHOP	329/311	400		3	900	300	1600	1300	
0017	F-1	MORRISON ROBERT	WAGONS/BLACKSMIT	329	1000	HORSE	1	3	600	400	1700	
0017	F-1	MUTCHMORE JOHN	SAW MILL	251	3000	STEAM	15	10	600	1000	2000	
0017	F-2	MUTCHMORE RALPH	SAW MILL	251	1500	STEAM	14	7	980	2500	5000	2500
0017	B-2	NAGEL JOHN	CABINET SHOP	261	150		1	300	150	1200	1050	
0017	B-1	NEFF DAVID	SHTNGLE FACTORY	251-S	100	STEAM	15	5	150	500	1500	1000
0017	A-3	NEILLE WILLIAM	CARRIAGE SHOP	329/311	150		2	450	70	600	530	
0017	B-2	NEPP ISAAC	CIDER MILL	109-C	300	HORSE	4	3	180	670	1340	670
0017	H	NEW JOHN	BRICK YARD	351-B	700	HORSE	1	6	900	300	2200	
0018	A-1	NEWLAND JOHN	WEAVER	182-W	50		1	2	250	400	1300	900
0017	B-1	NOBLE GEORGE	BLACKSMITH SHOP	896	400		2	250	125	250	250	
0017	B-2	NOBLE JACOB	SHOE SHOP	174	100		1	250	100	100	400	
0017	A-3	NOBLE NELSON	BLACKSMITH SHOP	329	100		1	250	100	600	500	
0017	A-1	NUNN BENJAMIN	BLACKSMITH FORGE	896	400		1	300	100	600	500	
0017	B-1	OTTERMAN CHRISTIA	WAGON SHOP	329	200		1	150	45	455	455	

HALDIMAND COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0018	A-2	OVERHOLT NICHOLAS	COOPER SHOP	259-C	120	.	.	2	200	102	550	448
0017	H	PARK HALSEY	WATCHMAKER/JEWEL	392/695	3000	.	600	100	750	650	5300	650
0018	B-1	PARRY JOHN	CARRIAGE SHOP	329	250	.	1350	7	2400	700	6000	1575
0017	H	PATTERSON SAMUEL	BLACKSMITH SHOP	311/309	100	.	1	4	425	2000	2000	30
0017	G-3	PHILLIPS DANIEL	BLACKSMITH FORGE	896	200	.	1	30	300	200	60	400
0017	H	POLE MARY G	MILLINERY/DRESSM	249-M/244	150	.	2	300	200	600	1000	640
0017	G-1	POOL JOHN	BLACKSMITH FORGE	311/896	255	.	1	360	35	375	375	340
0017	A-4	QUICK JOHN	BARREL FACTORY	259-C	50	.	2	150	70	200	200	130
0017	H	RADFORD M. & T.	WEAVING	182-W	1000	.	2	1	300	35	2000	2000
0017	E	RALSTON ALEXAND	BOOTS/SHOES/TANN	174/172	250	HORSE	2	2	250	150	1000	850
0017	D-2	REID JONATHAN	BLACKSMITH SHOP	329/311	1000	.	2	1	900	500	500	1500
0017	D-2	RENDLAY JOHN C	WAGON SHOP	329	250	HORSE	2	1	150	120	350	230
0017	A-2	RICHARDSON SARAH	WEAVING SHOP	182-W	250	.	2	1	700	500	1000	500
0017	G-1	ROBB ALEXANDER	BLACKSMITH FORGE	311/896	100	.	3	950	500	1450	950	2500
0017	E	ROBERTS JAMES	POTASH FACTORY	378-P	500	.	2	400	250	250	2000	1750
0017	A-3	ROBINSON THOMAS	BLACKSMITH SHOP	311/329	500	.	7	500	75	1800	1800	1725
0017	A-2	RODGERS EDWARD	BRICK KILN	351-B	200	.	2	500	750	1500	1500	750
0017	A-3	RODGERS JOHN	SHOEMAKER	174	400	.	1	1	400	700	700	300
0017	B-1	ROSS CATHERINE	WEAVING SHOP	182-W	1000	.	1	1	350	50	400	350
0018	A-2	RUNCHY CYRUS	BLACKSMITH FORGE	896	40	.	1	1	850	1100	2000	900
0017	F-3	RUSSEL AMOS	RAKE/FORK MF	306	40	.	1	1	200	200	200	200
0017	A-1	SAUNDERS	CARRIAGE SHOP	329	1000	.	6	1	1	1	1	.
0018	A-2	SCHENCK CHARLES	WEAVER SHOP	182-W	300	.	1	1	300	400	1000	600
0018	A-1	SCHENCK LOUIS	WEAVER	182-W	500	.	1	1	200	380	380	.
0017	A-1	SCHLISLER JOHN MAR	SHOE SHOP	174	1500	.	2	2	200	100	500	620
0018	B-2	SCHOFIELD JAMES	CABINET SHOP	261	500	.	1	1	100	4500	2140	9660
0018	B-2	SCHOFIELD JAMES	MARBLE SHOP	353	600	STEAM	21	9	32	12000	5600	20700
0017	H	SCHOOTS GEORGE	CARRIAGES/BLACKS	329	8000	STEAM	8	9	2400	2000	8000	60000
0017	H	SCOTT JOHN &	FOUNDRY/AGRC IMP	311	2600	STEAM	4	4	400	48	48	527
0018	B-2	SCOTT WILLIAM	CABINET SHOP	261	48	.	1	1	100	90	90	110
0017	A-4	SECORD & SONS	LIME KILN	358-L	100	.	1	1	300	800	2600	1800
0017	A-3	SECORD ROBERT	SHOEMAKER SHOP	174	500	.	1	1	300	800	1500	840
0017	H	SELDEN WILLIAM	BAKERY/CONFETTIO	107/108-C	20	.	1	1	40	10	50	40
0017	F-1	SENN JAMES	CHURN MANUFACTOR	259-C	100	HORSE	2	1	250	30	300	270
0017	C	SENN MARK	BLACKSMITH FORGE	896	600	.	3	900	900	800	600	400
0017	A-4	SEYMOUR JOSEPH	CARRIAGE FACTORY	329	600	.	2	2	600	660	1500	950
0017	B-2	SHAVALIER JOHN	HARNES SHOP	179-S	200	.	1	1	300	150	200	400
0017	A-1	SHEDRICK JAMES	BLACKSMITH FORGE	896	700	HORSE	2	1	25	30	60	60
0017	B-2	SHER SAMUEL	CIDER MILL	109-C	100	.	1	1	300	200	700	500
0017	B-2	SHERK ELIAS	LIME KILN	358-L	25	.	1	1	400	45	45	55
0017	A-4	SHOUPE LEVI	SHINGLE FACTORY	251-S	150	STEAM	12	4	300	500	1400	900
0017	D-2	SIDRINGTON ARCHIB	BLACKSMITH SHOP	896	100	.	3	600	500	500	500	55
0017	C	SIEBERT FREDICK	TAILOR SHOP	242	3000	STEAM	10	8	150	200	600	400
0018	B-1	SIMS GEORGE	TANNERY	172	270	.	1	1	400	84	2264	2236
0017	A-3	SLADE GEORGE	CARRIAGE SHOP	329	100	.	1	1	60	10	3650	8000
0017	A-4	SLAUGHT LEWIS	TANNERY	172	8000	STEAM	35	8	400	8000	15000	7000
0018	B-2	SMITH MAJOR A	SAW MILL	251	4000	STEAM	25	8	1800	1000	7000	6000
0017	B-2	SMITH DAVID	TURNING FACTORY	329-P	50	.	2	60	16	126	110	.
0017	C	SMITH JOHN	LIME KILN	358-L	5000	.	2	9	3150	7000	7000	710
0018	B-1	SMORKY JOHN	CARRIAGE SHOP	329	100	.	2	600	600	600	600	710
0017	B-2	SNIDER FREDRICH	SHOE SHOP	174	.	.	.	.	790	790	790	.

HALDIMAND COUNTY: FIRMS BY NAME OF PROPRIETOR, 1871

VADD											
CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC
0017	H	BRODERICK D E	CLOTHING EST	243	3 000		16	3500	8000	10100	2100
0017	H	BROWN W & J	MILLINERY EST	249-M	500		2	300	1000	1400	400
0017	H	BUTLIDER JOHN	CABINET FACTORY	261/258	4 000	STEAM	8	4500	2960	15000	12040
0017	H	DISHER JOHN	CARDING MILL	189-W	1500	WATER	20	375	300	800	500
0017	H	EARL ELIZABE	SADDLE/HARNESS S	179-S	150			3	600	800	2000
0017	H	FULTON SAMUEL	WAGON SHOP	329			2	400	400	600	1200
0017	H	GARLAND N & T	TAILOR SHOP	243/249-H	300		4	1200	5000	8000	543
0017	H	GIBSON JOHN	BLACKSMITH SHOP	311/329-P	100		2	450	250	1000	750
0017	H	GOODYEAR WILLIAM	BLACKSMITH SHOP	329	400		4	1600	481	2360	1879
0017	H	HAYES JAMES	BOOT/SHOE SHOP	174	20		5	625	300	1050	750
0017	H	HENNEFIN MICHAEL	WAGON SHOP	329	400		2	850	150	1500	1350
0017	H	HOWARD JOHN	SADDLE/HARNESS S	179-S			3	850	750	1650	900
0017	H	HULL HENRY	SADDLER/HARNESS	179-S	300		4	800	800	2000	1200
0017	H	KEAN DAVID	BAKERY	107	500		3	800	3900	5000	1100
0017	H	KENNEDY DONALD	TAILOR ESTABLISH	243/245			2	375	600	1000	400
0017	H	KNIPE SOLOMON	BLACKSMITH	896	200		1	350	30	400	370
0017	H	LEISK JOHN	BLACKSMITH	309	25		2	650	151	1000	849
0017	H	MACDONALD JOHN	BOOT/SHOE	174	1000		9	1560	3000	7150	4150
0017	H	MARTINEAU REUBEN	COOPER SHOP	259-C	150		3	500	700	1200	500
0017	H	MCBAY ALEXANDER	BOOT/SHOE SHOP	174			1	290	150	400	250
0017	H	MCKEOWN ARABELL	DRESSMAKER/MILLI	244/249-M	32		2	100			
0017	H	MCKINNON RONALD	SAW MILL	251	1000	WATER	30	6	1000	500	2000
0017	H	MCKINNON RONALD	WOOLLEN FACTORY	182	31000	WATER	40	37	12000	24000	45000
0017	H	MCKINNON RONALD	GRIST/FLOUR MILL	105	9000	WATER	50	3	12000	15000	30000
0017	H	MESSENGER THOMAS	PRINTING OFFICE	289	3500		5	1000	1040	2800	1760
0017	H	MILLIGAN SAMUEL	WEAVING	182-W	50		2	300	300	600	300
0017	H	MITCHELL NELSON	PAINTER/GLAZIER	421-D/421-G			4	500	1500	2600	1100
0017	H	NEW JOHN	BRICK YARD	351-B	700	HORSE	1	6	900	300	2200
0017	H	PARK HALSEY	WATCHMAKER/JEWEL	392/695	120		2	600	100	750	650
0017	H	PATTERSON SAMUEL	BLACKSMITH	311/309	250		4	1350	425	2000	1575
0017	H	POLE MARY G	MILLINERY/DRESSM	249-M/244	200		2	300	200	600	400
0017	H	RADFORD M & T	WEAVING	182-W	50		2	150	70	200	130
0017	H	SCHOOTS GEORGE	CARRIAGES/BLACKS	329	600		9	4500	2140	11800	9660
0017	H	SCOTT JOHN &	FOUNDRY/AGRC IMP	311	8 000	STEAM	21	32	12000	5600	20700
0017	H	SELLDEN WILLIAM	BAKERY/CONFECTIO	107/108-C	500		3	800	3270	7000	3730
0017	H	SYMINGTON WILLIAM	BLACKSMITH	896	200		1	450	100	700	600
0017	H	WALKER ROBERT	TIN SHOP	304-T	400		4	1525	1000	3000	2000
0017	H	WESTON ROBERT	BOOT/SHOE	174	100		1	200	300	400	15100
0017	H	WILLER REUBEN	TIN SHOP	304-T	600		2	688	600	1250	650
0017	H	WILMAR GEORGE	PUMP FACTORY	315-P	75		1	155	35	350	315
0017	H	YOUNG JACOB	WAGON SHOP	329			4	800	210	1000	790
0017	H	YOUNG FRED W	PAINTER/GLAZIER	421-D			4	800	1000	2000	1000

CAYUGA VILLAGE: ALL ESTABLISHMENTS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0017	E	BAKER	THOMAS	CARPENTER/JOINER	259		2	400	200	800	600	
0017	E	BURGESS	JAMES	HARNESSMAKER	179-S		2	600	600	1500	900	
0017	E	CAMPBELL	EDWARD	PRINTING OFFICE	286		2	300	500	1200	700	
0017	E	GIBBONS	JOSEPH	TAILOR	243		5	1000	800	2000	1200	
0017	E	HUMS	WILLIAM	BLACKSMITH FORGE	896		2	500	250	1000	750	
0017	E	MCCLUNG	WILLIAM	BOOT/SHOE MF	174		2	500	500	1200	700	
0017	E	MCGRAW	JOSEPH	CARPENTER/JOINER	259		1	300	100	700	600	
0017	E	RALSTON	ALEXAND	BOOTS/SHOES/TANN	174/172		2	950	500	1450	950	
0017	E	ROBERTS	JAMES	POTASH FACTORY	378-P		3	600	600	1800	1200	
0017	E	WATSON	JOHN	CARRIAGE/WAGON F	329		3	600	600	1800	1200	
							0	24	5150	4050	11650	7600

DUNNVILLE VILLAGE: ALL ESTABLISHMENTS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0018	B-1	BLACK CHARLES E S	PRINTING OFFICE	289	2500		4	900	600	3000	2400	
0018	B-2	CAIRNS	SAMUEL	BLACKSMITH SHOP	896	200	1	50	90	700	610	
0018	B-1	CHAMBERS	RICHARD	GRIST MILL	105	10000	WATER	25	3	35000	44000	9000
0018	B-1	HANEY	JAMES	GRIST/FLOUR MILL	105	5800	WATER	4	1000	52000	80000	80000
0018	B-1	HANEY	STEPHEN	GRIST/FLOUR MILL	105	7000	STEAM	35	2	1600	27000	33000
0018	B-2	IRVING &	DUVAL	SAW MILL	251	3500	WATER	50	5	1200	4500	8000
0018	B-1	MONTAGUE	WILLIAM	BLACKSMITH SHOP	329/311	3000		3	900	300	1600	1300
0018	B-1	PARRY	JOHN	CARRIAGE SHOP	329	3000		7	2400	700	6000	5300
0018	B-2	SCHOFIELD	JAMES	CABINET SHOP	261	1500		2	200	180	380	200
0018	B-2	SCHOFIELD	JAMES	MARBLE SHOP	353	500		1	100	500	620	120
0018	B-2	SCOTT	WILLIAM	CABINET SHOP	261	2600	STEAM	8	9	2400	2000	6000
0018	B-1	SIMS	GEORGE	TANNERY	172	3000	STEAM	10	8	1000	2264	4500
0018	B-2	SMITH	MAJOR A	SAW MILL	251	8000	STEAM	35	10	3650	8000	15000
0018	B-1	SMORKY	JOHN	CARRIAGE SHOP	329	5000		9	3150	7000		
0018	B-2	STEVENS	CHARLES	HARNESS SHOP	179-S	3000		4	120	3360	3600	240
0018	B-1	STRAUSS &	CO	HARNESS MANUFACT	179-S	2000		5	1600	4500	8125	3625
0018	B-2	WALTHO	WILLIAM	WOOLEN FACTORY	182	400	STEAM	25	11	1700	3000	6000
					58400		188	88	2270	143994	209525	58531

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